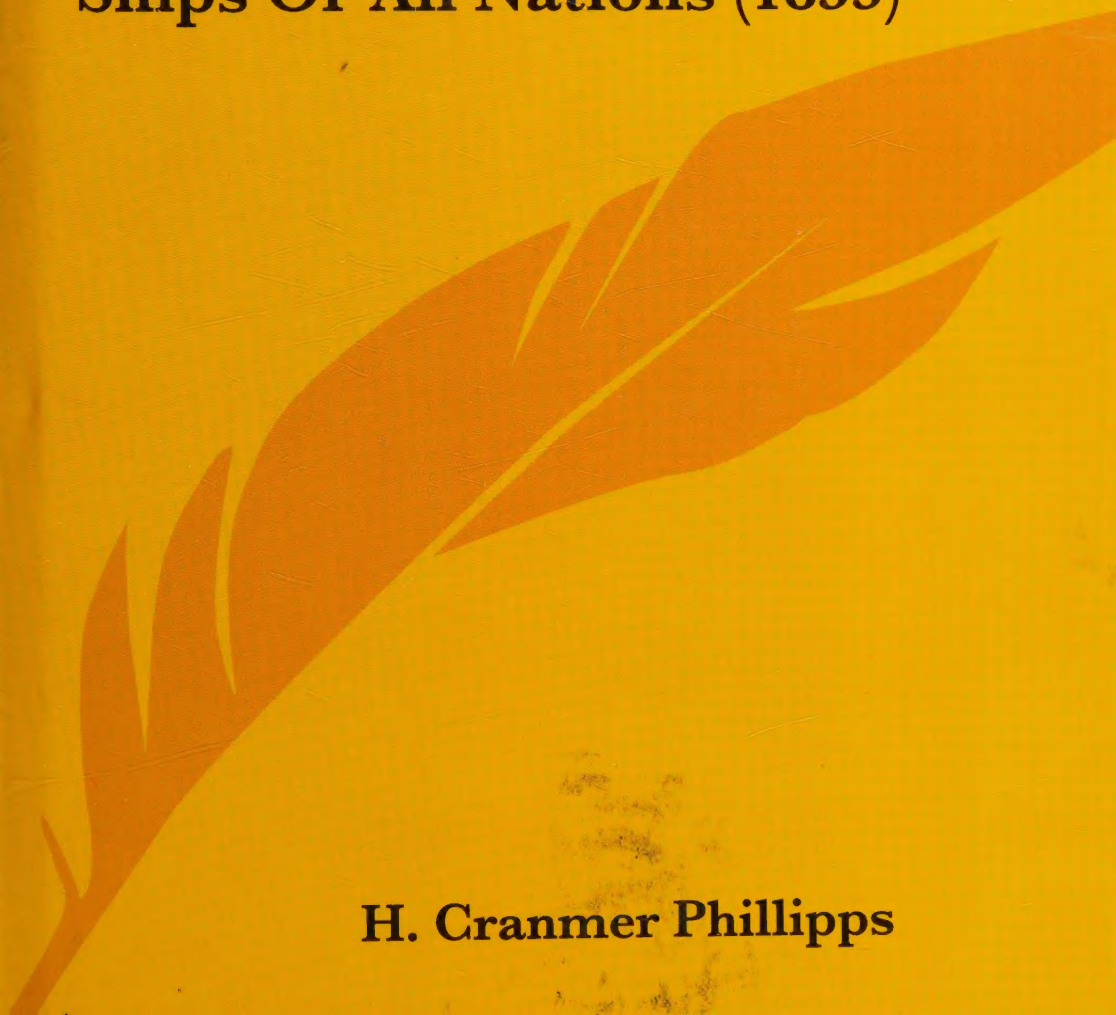


A Code Of Universal Naval Signals

**Calculated To Afford The Means
Of Communication Between
Ships Of All Nations (1835)**



H. Cranmer Phillipps



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**A Code Of Universal Naval Signals:
Calculated To Afford The Means Of
Communication Between Ships Of All
Nations**

H. Cranmer Phillipps

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A CODE
OF
UNIVERSAL NAVAL SIGNALS,

Calculated to afford the means of Communication between

SHIPS OF ALL NATIONS;

AND

ARRANGED SO AS TO BE EASILY TRANSLATED INTO FOREIGN LANGUAGES:

IN WHICH ARE INCLUDED

NIGHT SIGNALS,

A PLAN FOR BOAT SIGNALS AND FOR A SEMAPHORE OR TELEGRAPH;

TOGETHER WITH

A CYPHER FOR SECRET CORRESPONDENCE.

BY

H. CRANMER PHILLIPPS, R. N.

LONDON:

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AND CURTIS, PLYMOUTH.

MDCCCXXXV.

777.

ONELOOTT, PRINTER, BRISTOL.

TO
THE COMMANDERS AND OFFICERS
OF THE
MERCHANT SERVICE,
THE FOLLOWING
ATTEMPT TO FORM A CODE OF INTERNATIONAL SIGNALS,
IN THE HOPE THAT
IT MAY BE FOUND TO FACILITATE
THE INTERCOURSE BETWEEN VESSELS OF ALL COUNTRIES,
IS RESPECTFULLY DEDICATED,
BY
THE AUTHOR.

INTRODUCTION.

There are few experienced seamen who will not be able to recollect occasions, where they have felt the want of some contrivance, by means of which ships of *different* nations might be enabled to make known their wants, or communicate any intelligence of importance, (such as news of peace or war, of blockades, embargoes, contagious diseases, &c.) without the delay and inconvenience usually attending any attempt at speaking; or when from their ignorance of each other's language, even this might be impracticable.

It can scarcely indeed be doubted, that many lives, and much valuable property might often be preserved, were there established some code of signals common to all countries, by which a foreign vessel could be warned of any danger, or be enabled herself to point out the exact nature of any assistance she might require. Nor would it be unimportant, either, that Naval Officers should thus have frequent opportunities afforded them, for paying those attentions, and rendering such useful offices to one another, as may tend, perhaps, in no slight degree, to promote feelings of harmony and good will amongst foreigners.

The signals hitherto in use, although excellent in other respects, are not calculated for the above purposes. They are all *alphabetically* arranged; and as they could not therefore be translated into other languages, without some change of form, they can only be made the medium of communication between vessels of the same country. From the variety of colours em-

ployed in them, they may be liable, besides, to some confusion when seen from afar; and from the expense attending them, must be necessarily confined to our larger and richer class of traders.

In the plan here proposed, it has been the object of the author to unite the greatest possible economy of means, with sufficient extension of application; so that while his scheme might be placed within the reach of the smallest coasting vessel, it should at the same time be found comprehensive enough for all the ordinary exigencies of foreign commerce.

The number of flags has been reduced from sixteen to five only, one of which may be the National Jack; and as these are distinguished by shape rather than by colour, they will be easily made out at a much greater distance.

How far, however, he has succeeded in this attempt, to form what may be considered in some sort, a kind of universal language for seamen, must be left for others to decide; the utility of such an undertaking will depend indeed in a great measure upon an early and extensive circulation, in promoting which he may be permitted to claim the aid of those, who think it likely to prove generally advantageous.

ALBANY, LONDON,

March, 1835.

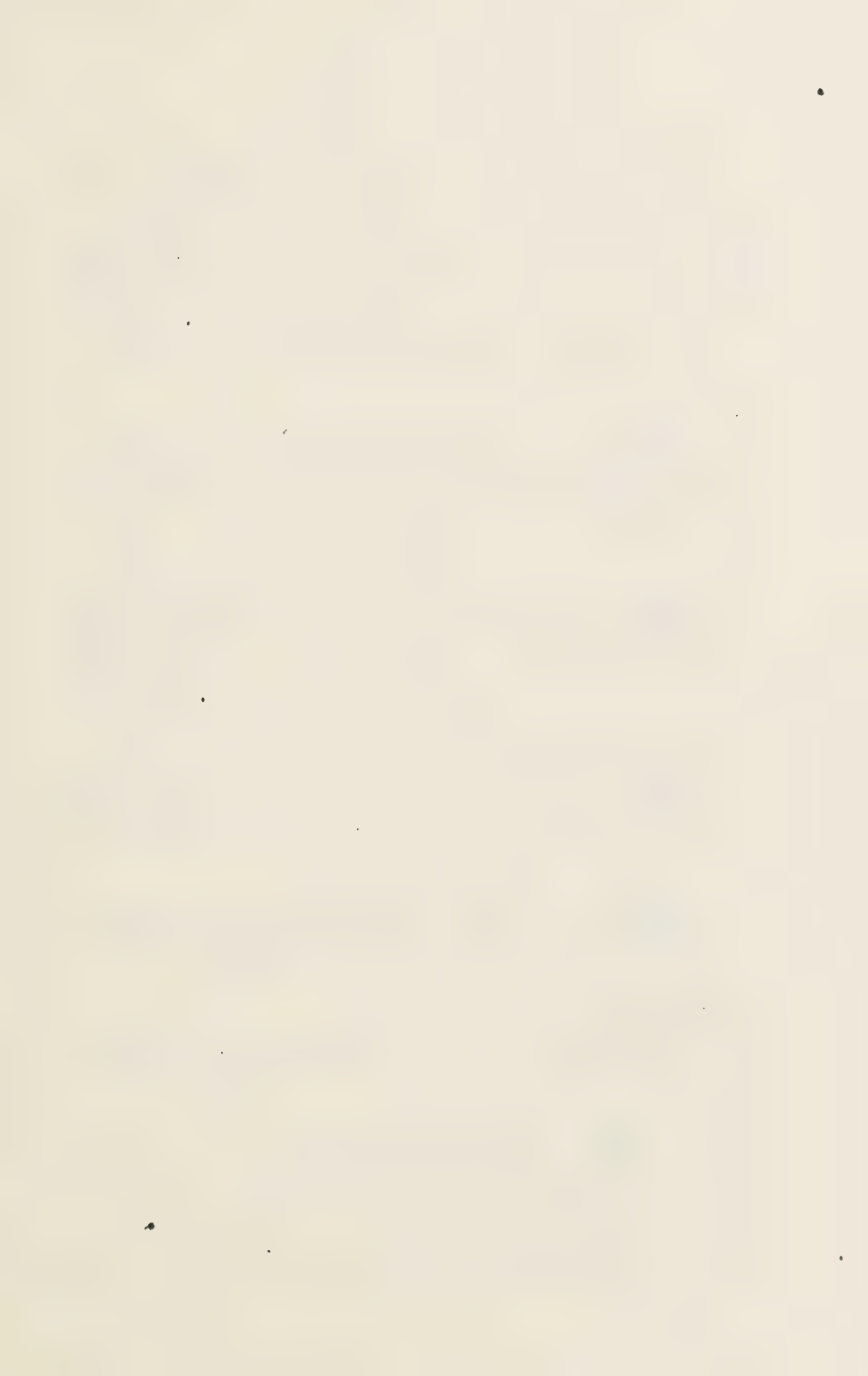
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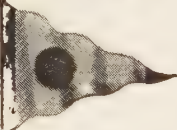
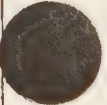
X.

A few of the preceding will be thought, perhaps, almost useless additions; but it may not be amiss to notice the various circumstances, under which signals can sometimes be made, and the means that are applicable to them: it is possible, by their insertion, some increased facilities may be afforded to commercial enterprise; some risk or inconvenience avoided.

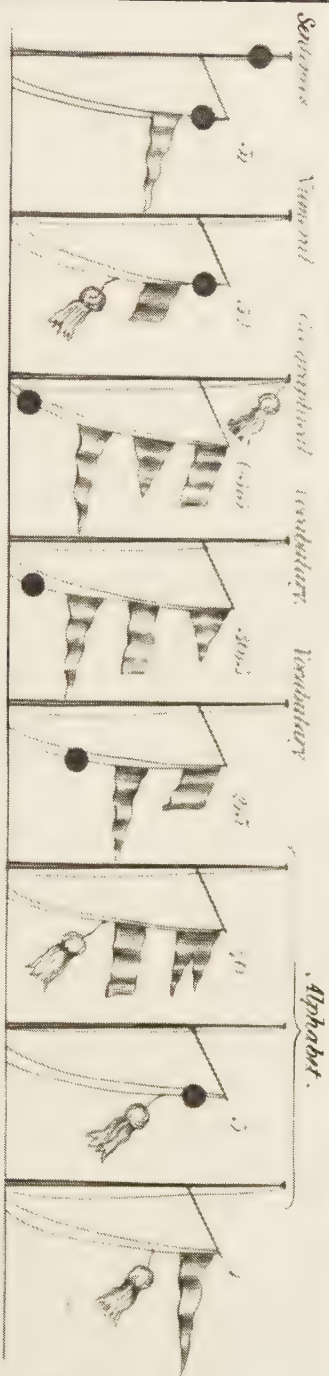
Particular attention is directed to the Notes explanatory of each part, and to the examples given.



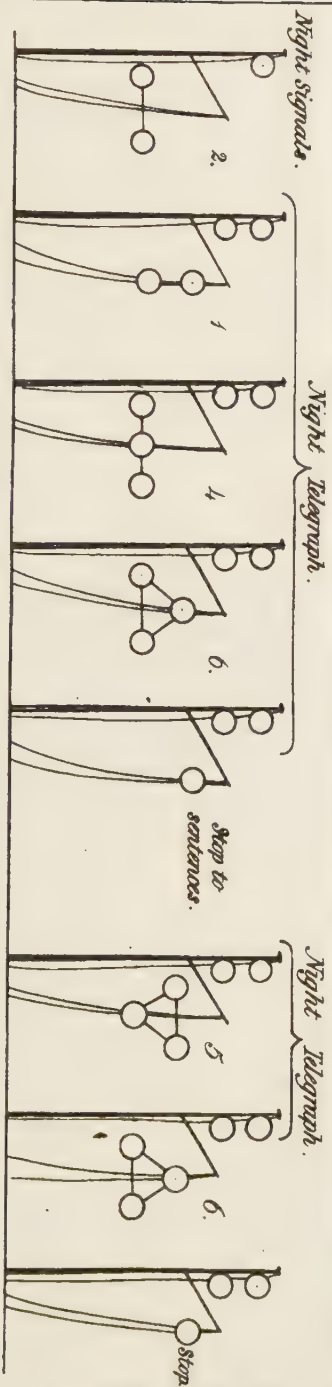
The **FLAGS** or **SIMBOLS** used in the following **SIGNALS**, are

Priv. sig.	Number.	Flags or Simbols.	Description.	Signification when hoisted singly.	Cypher.
	1		A PENDANT , of any colour.	ANSWER.	
	2		THE NATIONAL JACK , or any other quadrangular flag	<u>PILOT.</u> If at Anchor, Sailing.	
	3		A GUIDON , or triangular flag.	<u>CONVOY.</u> If at Anchor, Quarantine.	
	4		A CORNETTE , or swallow tailed flag.	Negative as answer, or to the following signal <u>Annul to preceding signal</u>	
	5		TWO BALLS , about 3 feet in diameter.	As answer, "Signal not made out".	
	6		A VANE .	Affirmative.	
			A WHEFT , made with the ensign, or other large flag.	Geographical.	

Note. Although no particular colours are required in this plan, the above may be recommended to such as are not provided with Flags of a similar form.



We have been plundered by — two — Greek — Schooners — off — Zee.



We are in distress — will you keep close to us! — What assistance do you require?

SIZE OF THE FLAGS.

The Flag, Guidon, and Cornette, should be each about six feet in the head, by eight the fly.

The Pendant, four feet by sixteen.

The Vane, three feet by ten.

The Ball, about three feet in diameter.

The Vane No. 6. should be fitted, so that it may be shewn in a vertical form, as No. 7, see page 150.

ALPHABETICAL INDEX

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NOTE.

Wherever more than one blank appears in any of the following Sentences, the words omitted are to be given afterwards in the order implied by the vacant spaces, remembering always that when they are taken from the Vocabulary, or Geographical Tables, the distinguishing signal must be altered. As—

3561 (geographical)—3514 (sentences)—5215 (geog.)

“The French—fleet is returned to—Toulon.”

3256 (sentences)—3561 (geog.)—153 (geog.)

“War is expected between—France and—Russia.”

463 (sentences)—123 (numeral)—261 (compass sig.)

“We shall alter our course at—twelve o'clock to—East-north-east.”

Every signal, when clearly made out, should be answered by the pendant No. 1. When the *flags* cannot be distinguished, a ball may be hoisted singly.

Those sentences which are marked with an asterisk may be also made by the Distant Signals. See page 146.

SENTENCES.

A BALL.

To be hoisted separately where best seen.

- 1 We are in great **DISTRESS**, can you **ASSIST** us ?*
- 2 Are you, or is she, in want of any **ASSISTANCE** ?
- 3 You are, or she is, running into **DANGER**.*
- 4 An **ENEMY** is in sight.*
- 5 Have you the "**UNIVERSAL NAVAL SIGNALS** ?"
- 6 I have important **INTELLIGENCE** to communicate.*

Distress.

- 12 We are **AGROUND**.
- 13 We are **BILGED**.
- 14 We have sprung a **LEAK**.
- 15 Our **LEAK** is dangerous.
- 16 Our **PUMPS** are choaked.
- 21 Our **ENGINES** are out of order.

In Want.

- 23 We are in **WANT** of —
- 24 We are in want of **WATER**.
- 25 We are in want of **PROVISIONS**.
- 26 We are in want of an **ANCHOR** and **CABLE**.

SENTENCES.

A BALL.

To be hoisted separately where best seen.

Loss.	31 We have no ANCHOR.
	32 We have LOST —
Damage.	34 We have INJURED or SPRUNG our —
	35 We have received much DAMAGE.
	36 Our CARGO is damaged.
	41 Obligated to discharge the CARGO.
	42 Have you sustained much DAMAGE?
	43 How long will it require to repair your, or her, DAMAGES?
	45 We are very little DAMAGED.
	46 We have, or she has, been ATTACKED by —
	51 We have, or she has, been PLUNDERED by —
Assistance.	52 We are in want of immediate ASSISTANCE.
	53 Can you give us any ASSISTANCE?
	54 If we have, or she has, not immediate ASSISTANCE.
	56 What ASSISTANCE do you require?
	61 How much, or HOW many, do you want of — ?
	62 We cannot render you any ASSISTANCE.
	63 I will ASSIST you, or assistance will be sent you immediately.
	64 We cannot get under WEIGH without assistance.

SENTENCES.

A BALL.

To be hoisted separately where best seen.

Parting
Cable.

- 65 We are in danger of PARTING our CABLE.
123 We are obliged to CUT or SLIP our cable.
124 We have PARTED our cable.
125 Will you take up our ANCHOR and
CABLE?

Assist-
ance.

- 126 In want of assistance from BOATS.*
132 Send BOATS with HAWSERS.

6

- 134 We have no BOAT on board.
135 We have no BOAT in repair.
136 Can you LEND or SPARE us —— ?
142 Can you take us in TOW ?
143 Shall I take you in TOW ?
145 We cannot take you in TOW.

Keeping
Near.

- 146 Will you keep CLOSE to us ?
152 I will keep CLOSE to you during the night.
153 Will you keep within SIGNAL distance ?
154 I will keep you in SIGHT.
156 Will you carry a LIGHT during the night ?
162 I will carry a LIGHT during the night.

Danger.

- 163 Are you in imminent DANGER ?
164 We run great RISK of ——
165 It is very DANGEROUS.
213 If there is any DANGER.
214 Is there any DANGER ?
215 There is no DANGER.
216 It is not quite SAFE to ——

SENTENCES.

A BALL.

To be hoisted separately where best seen.

Keeping
Company

- 231 Do not attempt to LEAVE the vessel.
 234 Shall we keep COMPANY?
 235 Where shall we RENDEZVOUS in case of
 parting company?
 236 We will RENDEZVOUS at ——
 241 What COURSE shall you steer?
 243 We shall STEER ——
 COMPASS signals, Nos. 245 to 462, see p. 22.
 463 We shall alter our COURSE at —— o'clock, to——
 465 We shall TACK at —— o'clock.
 512 We shall HEAVE to at —— o'clock.
 513 I mean to CARRY sail all night.
 514 We shall keep under easy SAIL all night.
 516 We cannot CARRY sail.
 521 I shall BEAR up.
 523 What do you INTEND doing?
 524 In case the WIND comes from ——
 526 Should it continue to BLOW.
 531 What SOUNDINGS have you?
 532 The water is very SHOAL.
 534 I have SOUNDED in fathoms ——
 536 We have no SOUNDINGS.
 541 Shall you try to make the LAND to-night?
 542 I shall try to make the LAND to-night.
 543 I shall not attempt to make the LAND to-
 night.

Approach-
ing Land.

SENTENCES.

A BALL.

'To be hoisted separately where best seen.

Making
Land.

- 546 Keep a good LOOK out for the LAND.
 561 I will run ahead and try to make the LAND.
 562 LAND is in sight in the ——*
 563 What is the LAND in sight?
 564 The PORT is on the ——
 612 Are you ACQUAINTED with —— ?
 613 I am well ACQUAINTED with ——
 614 What are the MARKS for —— ?
 615 I have no KNOWLEDGE of ——
 621 Have you a CHART of —— ?
 623 You must take a PILOT.
 624 Have you a PILOT?
 625 We have a PILOT.

Going
into Port.

- 631 We are in want of a PILOT.
 632 Shall I send you a PILOT?
 634 Follow us, we will PILOT you.
 635 It is a BAR harbour.
 641 The BAR is dangerous.
 642 The BAR is not dangerous.
 643 The BAR can only be crossed at high water.
 645 The BAR may be crossed at ——
 651 Can we cross the BAR?
 652 How much water do you, or does she,
 DRAW?
 653 You may cross the BAR.
 654 Shall you ANCHOR?

SENTENCES.

A BALL.

To be hoisted separately where best seen.

Anchor-
ing.

1234 I shall ANCHOR, if circumstances permit.

1235 You must ANCHOR.

1236 The ANCHORAGE is ——

1243 The ANCHORAGE is not safe with the
wind from ——

1245 We are in DANGER, point out how we
should steer.

1246 There are ROCKS, or a shoal ahead.

1253 There are ROCKS, or a shoal, on your
STARBOARD bow.

1254 There are ROCKS, or a shoal, on your
LARBOARD bow.

1256 There are ROCKS, or a shoal ——

1263 You will be AGROUND if you continue.

1264 Will you LEAD in?

1265 I will LEAD you to the best birth.

1324 Is where I now am a good BIRTH?

1325 You are too NEAR ——

1326 The best BIRTH bears of you ——

1342 You are in a good BIRTH now.

At
Anchor.

1345 We are going to VEER cable.

1346 Are you going ON SHORE?

1352 I am going ON SHORE.

1354 Will you meet me ON SHORE?

1356 I cannot go ON SHORE.

1362 I shall send a BOAT on shore.

SENTENCES.

A BALL.

To be hoisted separately where best seen.

Communica- tion.	1364 My BOAT is on shore.
	1365 Will you lend me a BOAT?
	1423 Our BOAT is adrift, can you pick her up?
	1425 A MAN is OVERBOARD, try to save him.
	1426 Shall you SEND —?
	1432 I am GOING to —
	1435 You are WANTED at —
	1436 Is the CAPTAIN on board?
	1452 — is not ON BOARD.
	1453 I wish to see the CAPTAIN.
	1456 As SOON as possible.
	1462 Will it be convenient?
	1463 Will you DINE with me at —?
	1465 At what HOUR?
Sailing.	1523 At the USUAL time.
	1524 When shall you be ready for SEA?
	1526 I shall be ready for SEA —
	1532 When shall you SAIL?
Advice.	1534 We shall endeavour to SAIL —
	1536 What do you ADVISE?
	1542 I ADVISE you —
	1543 Is there any NECESSITY for —?
	1546 Do you think it POSSIBLE?
	1561 I do not think it POSSIBLE.
	1562 If we are ABLE; if POSSIBLE.
	1564 Will not be ABLE; will be IMPOSSIBLE.

SENTENCES.

A BALL.

To be hoisted separately where best seen.

Opinion.	1623	It will be very DIFFICULT.
	1624	It will be of no USE.
	1625	It is of great CONSEQUENCE.
	1632	Will you make the ATTEMPT?
	1634	Shall we make another ATTEMPT?
	1635	If it can be done without RISK.
	1642	Have you SUCCEEDED?
	1643	Be PREPARED for —
	1645	We are quite UNPREPARED for —
	1652	Use all possible DISPATCH.
	1653	Lose no time in QUITTING this anchorage.
Enemy.	1654	There is intelligence of an ENEMY.*
Seeing a Stranger.	2134	A STRANGER is in sight in the —*
	2135	How is she, or are they, STANDING?
	2136	What do you think of the STRANGER?
	2143	Do you think the STRANGER is —?
	2145	She has shown her COLOURS.
	2146	Of what NATION is she?
	2153	I cannot make out her FLAG.
	2154	Can you MAKE OUT —?
	2156	Endeavour to ASCERTAIN —
Arms.	2163	Vessel-s appear to be ARMED.*
	2164	How many GUNS does she mount?
	2165	She appears to CARRY —
	2314	How are you ARMED?
	2315	We are not ARMED.

SENTENCES.

A BALL.

To be hoisted separately where best seen.

Stranger
in Sight.

2316 What NUMBER have you of — ?

2341 We have GUNS in No. —

2345 Shall we give CHASE?

2346 I shall give CHASE.

2351 What COLOURS shall we hoist?

2354 Show no COLOURS or SIGNALS.

Engage-
ment.

2356 Prepare for ACTION.*

2361 Shall we commence ACTION?

2364 Commence ACTION.

2365 Vessel seems to be in DISTRESS.

Meeting
at Sea.

2413 What VESSEL is she? or are they?

2415 The VESSEL is — vessels are —

2416 I have, or vessel has, a LICENSE from —

2431 What is your, or her, NAME? what is the
name of — ?

2435 Where do you, or does she, BELONG to?

2436 I BELONG to — she belongs to —

2451 Where do you, or does she, COME from?

2453 I COME from — she comes from —

2456 Where are you, or is she, BOUND to?

2461 I am BOUND to — she is BOUND to —

2463 To whom are you CONSIGNED?

2465 I am CONSIGNED to —

2513 Who is your OWNER?

2514 How many DAYS are you OUT?

2516 We are out DAYS in No. —

SENTENCES.

A BALL.

To be hoisted separately where best seen.

Meeting
at Sea.

2531 What is your CARGO ?

2534 CARGO consists of ——

2536 We are not LOADED.

2541 When did you LEAVE ?

2543 We SAILED on the ——

2546 When did you PART company from —— ?

2561 It is (No.) days since we PARTED from——

Informa-
tion.

2563 Have you SEEN any vessel since ?

2564 What VESSELS did you leave at —— ?

2613 What MEN OF WAR did you leave at——?

2614 Are there any ARRIVALS from —— ?

2615 — is ARRIVED—or, are ARRIVED.

2631 — was—or, were not ARRIVED.

2634 — has—or, have been DETAINED by —

2635 — was—or, were WARNED off from —

2641 — was—or, have been CAPTURED by—

2643 — is—or, are taken PRISONERS.

2645 — has been WRECKED, or lost.

2651 — has, or have been OBLIGED to ——

2653 Do you KNOW any thing of —— ?

2654 I do not KNOW.

3124 I have not HEARD.

3125 How is, or HOW ARE ——

3126 Has, or have met with an ACCIDENT.

3142 — is or are, was or were, ALL WELL.

3145 Have you been SPOKEN by —— ?

SENTENCES.

A BALL.

To be hoisted separately where best seen.

Intelli-
gence.

- 3146 Have you SEEN ——
 3152 I have seen an ENEMY.
 3154 I have seen a SUSPICIOUS vessel.*
 3156 I have MET with ——
 3162 How long SINCE ?
 3164 How is she PAINTED ?
 3165 Should you MEET with ——
 3214 Have you any INSTRUCTIONS for —— ?
 3215 I have, or she has, DISPATCHES for ——*
 3216 Will you give the following INFORMA-
 TION to —— ?
 3241 Our CONSUL, or minister, at ——
 3245 The COMMANDING officer at ——
 3246 Have you any INTELLIGENCE ?
 3251 What is your latest NEWS ? or newspaper ?
 3254 It is REPORTED that ——
 3256 WAR is expected between —— and ——
 3261 HOSTILITIES have commenced between
 —— and ——
 3264 There has been an ENGAGEMENT be-
 tween ——
 3265 PEACE is expected between —— and ——
 3412 PEACE is proclaimed between —— and ——
 3415 A REVOLUTION has taken place in ——
 3416 There have been DISTURBANCES
 at ——

SENTENCES.

A BALL.

To be hoisted separately where best seen.

Intelli-
gence.

3421 The following ports are declared in a state of BLOCKADE.

3425 The BLOCKADE has ceased at —

3426 No COMMUNICATION is allowed with —

3451 You will be liable to SEIZURE.

3452 An EMBARGO has been laid on at —

3456 The EMBARGO has been taken off from —

3461 STOP the sailing of —

3462 The FLEET is ready for sea at —

3465 — FLEET has put to sea from —

3512 — FLEET has been seen near —

3514 — FLEET is returned to —

3516 Who is our ADMIRAL?

3521 Who is the COMMANDER of —

3524 A CHANGE is expected in —

3526 A CHANGE has taken place in —

3541 Entered into the following TREATY or AGREEMENT.

Com-
merce.

3542 There is a new TARIFF at —

3546 The following ALTERATIONS are made.

3561 The following DUTIES have been laid upon —

3562 A heavy DUTY has been laid upon —

3564 — has been totally PROHIBITED in —

3612 The DUTIES have been lowered upon —

3614 — is admitted free of DUTY.

SENTENCES.

A BALL.

To be hoisted separately where best seen.

Com- merce.	3615 Can you tell me the PRICE of —— at ——
	3621 — bears a high PRICE at ——
	3624 — has greatly fallen in PRICE.
	3625 There is a great SCARCITY of ——
Signals.	3641 There is, or there are, ABUNDANCE of——
	3642 Do you clearly UNDERSTAND?
	3645 I do not UNDERSTAND.*
	3651 There is some MISTAKE.
	3652 Unable to comply with the SIGNAL.*
	3654 Repeat the last SIGNAL.*
	4123 Repeat the following SIGNALS to vessel pointed out.
	4125 We are about to repeat SIGNALS from indicated vessel-s.
	4126 Attend to the following NIGHT SIGNALS.
	4132 Use the CONVOY SIGNALS.
	4135 Use the PRIVATE SIGNALS.
	4136 Have you our CYPHER.
Warning.	4152 The message about to be made is intended to be PRIVATE.
	4153 Donot permit any INTERCOURSE with——
	4156 Be upon your GUARD against ——
Sickness.	4162 WARN all vessels that ——
	4163 There is a CONTAGIOUS DISEASE at——
	4165 The PLAGUE has broken out at ——
	4213 Has the PLAGUE ceased at ——

SENTENCES.

A BALL.

To be hoisted separately where best seen.

Sickness.	4215	TRADE is quite suspended at ———
	4216	TRADE is REVIVING at ———
	4231	She has a CONTAGIOUS DISEASE.
	4235	Are there any SICK on board?
	4236	We have SICK on board.
	4251	Is the SICKNESS contagious?
Quaran- tine.	4253	Shall I be put in QUARANTINE at——
	4256	You will be put in QUARANTINE.
	4261	How long is the QUARANTINE?
	4263	She is in QUARANTINE.
	4265	You must perform QUARANTINE.
Reckon- ing.	4312	What is your RECKONING?
	4315	What is your LATITUDE?
	4316	What is your LONGITUDE?
	4321	LATITUDE ———
	4325	LONGITUDE ———
	4326	Longitude by CHRONOMETER ———
	4351	What are the BEARINGS and DIS- TANCE from the nearest land?
	4352	What are the BEARINGS and DIS- TANCE from ———?
	4356	What DISTANCE off is, or are ———?
	4361	Have you had an OBSERVATION?
	4362	We have had no OBSERVATION since ———
	4365	Have you a CHRONOMETER?

SENTENCES.

A BALL.

To be hoisted separately where best seen.

	4512 There is little difference in our RECK- ONING.
Corresp- ondence.	4513 Is there any opportunity for sending LET- TERS to —— ?
	4516 An opportunity occurs for sending LET- TERS to ——
	4521 Have you any LETTERS for —— ?
	4523 I have LETTERS for ——
	4526 Can I take any LETTERS for you ?
	4531 Will you take up my LETTERS at —— ?
	4532 Can you tell me the ADDRESS of —— ?
	4536 Will you take a LETTER for —— ?
	4561 Can you get or PURCHASE for me —— ?
Passen- ger.	4562 I have a PASSENGER for ——
	4563 Can you take a PASSENGER to —— ?
	4612 SEND immediately for ——
	4613 The BOAT, or VESSEL, pointed out wishes to communicate with ——
Speaking	4615 I wish to SPEAK with you.*
	4621 I cannot SPEAK with you unless your business be urgent.*
	4623 I will pass within HAIL.*
Boarding	4625 HEAVE TO, and I will send a BOAT on board.
	4631 MAKE SAIL ahead, and drop a BOAT on board.

SENTENCES.

A BALL.

To be hoisted separately where best seen.

Boarding	4632 Come on board with your PAPERS. 4635 Will you come ON BOARD? 4651 I will come ON BOARD.
Convoy.	4652 Are there any vessels desiring CONVOY to —— 4653 Vessels desiring CONVOY in the direction pointed out, must send on board for their instructions. 5123 Shall we take you under our CONVOY? 5124 Will you take us under your CONVOY? * 5126 We cannot take you under our CONVOY. 5132 We will give you PROTECTION. 5134 Your distinguishing VANE will be ——
Evolutions.	5136 FOLLOW our motions.* 5142 DISREGARD our motions.* 5143 KEEP more AWAY.* 5146 KEEP YOUR WIND.* 5162 Come to the wind on the STARBOARD tack. 5163 Come to the wind on the LARBOARD tack. 5164 KEEP further ASTERN. 5213 KEEP further OFF, or from —— 5214 CLOSE nearer.* 5216 Keep to WINDWARD. 5231 Keep to LEEWARD. 5234 Keep on this TACK.

SENTENCES.

A BALL.

To be hoisted separately where best seen.

Evolutions.

- | | |
|------|---|
| 5236 | Steer the COURSE indicated hereafter. |
| 5241 | TACK.* |
| 5243 | WEAR. |
| 5246 | HEAVE to.* |
| 5261 | BEAR up. |
| 5263 | Make more SAIL. |
| 5264 | Shorten SAIL. |
| 5312 | Prepare to ANCHOR. |
| 5314 | ANCHOR.* |
| 5316 | MOOR. |
| 5321 | UNMOOR. |
| 5324 | Prepare to WEIGH. |
| 5326 | WEIGH.* |
| 5341 | We cannot proceed with the CONVOY. |
| 5342 | We must part COMPANY; you may part company. |
| 5346 | Farewell! I wish you a good VOYAGE.* |

AUXILIARY WORDS.

A BALL.

To be hoisted separately where best seen.

- 5361 A, an.
 5362 The.
 5364 I, me, to me, my, mine.
 5412 He, him, his, she, her, hers, to him, to her.
 5413 We, to us, us, our, ours.
 5416 You, to you, your, yours.
 5421 They, them, to them, their, theirs,
 one, (impersonal.)
 5423 It, its.
 5426 Of it.
 5431 To it, at it, in it.
 5432 To be.
 5436 Being.
 5461 Been.
 5462 Am, is, are.
 5463 Was, were.
 5612 Shall, will be.
 5613 Should, would, could, might, may be.
 5614 Be, let be, (imperative.)
 5621 To be there.
 5623 There being, being there.
 5624 There is, there are, there has.
 5631 There was, there were, there had, there
 has been.
 5632 There shall, or will be.
 5634 There should, would, could, might, or may be.

AUXILIARY WORDS.

A BALL.

To be hoisted separately where best seen.

- 5641 Let there be, (imperative.)
 5642 Here is, this is, behold.
 5643 To have.
 6123 Having.
 6124 Had.
 6125 Have, has.
 6132 Had.
 6134 Shall, will have.
 6135 Should, would, could, might, can, may have.
 6142 Have thou, let have, (imperative.)
 6143 To be necessary, or owing, being necessary,
 duty.
 6145 Is necessary, ought, or should, owes.
 6152 Would be necessary, should, ought.
 6153 Would have been necessary, ought to have.
 6154 To be able, power, being able.
 6213 Am, is, are able, can, may.
 6214 Was, were able, been able.
 6215 Shall, will be able.
 6231 Should, would, could, might, may be able,
 could, can, might.
 6234 To make, to do, making, doing.
 6235 Make, makes, do, does.
 6241 Made, did, done, fact.
 6243 Shall, will make, or do.
 6245 Should, would make, or do.

AUXILIARY WORDS.

A BALL.

To be hoisted separately where best seen.

- 6251 Make, do, (imperative.)
 6253 To be willing, to wish, being willing.
 6254 Am, is, are willing, wishes, will, wish, willing, ly, wishing.
 6312 Was, were willing, wished, been willing.
 6314 Shall, will be willing, or wish.
 6315 Should, would be willing, or wish, would.
 6321 I am, or we are in want of, or must.
 6324 He, she is, they are in want of, or must.
 6325 You must.
 6341 I was, we were in want of, or obliged to.
 6342 He, she was, they were in want of, or obliged to.
 6345 I shall, we shall be in want of, or obliged to.
 6351 He, she, they will be in want of, or must.
 6352 It is necessary.
 6354 It was necessary.
 6412 It will be necessary.
 6413 It would, should be necessary.
 6415 This, these.
 6421 That, those, (pronoun "that ship.")
 6423 Who, whom, whose.
 6425 Which, what, of which.
 6431 Other, another, otherwise.
 6432 That, (adverb "that we are") than.

AUXILIARY WORDS.

A BALL.

To be hoisted separately where best seen.

- 6435 Where, whence, whither.
- 6451 When.
- 6452 How.
- 6453 Here, hence, hither.
- 6512 There, thence, thither.
- 6513 How many, how much.
- 6514 'Too, too many, too much.
- 6521 Of, from.
- 6523 'To, toward, s, at.
- 6524 By, through, though.
- 6531 In, inner, into, inward, s. within.
- 6532 Out, er, side, ward.
- 6534 Off, near, about, close, next.
- 6541 Distant, distance, far, beyond.
- 6542 With.
- 6543 Without.

COMPASS signals and BEARINGS.

A BALL.

To be hoisted separately where best seen.

245 NORTH	264 EAST	325 SOUTH	354 WEST
246 N. b. E.	265 E. b. S.	326 S. b. W.	356 W. b. N.
251 N. N. E.	312 E. S. E.	341 S. S. W.	361 W. N. W.
253 N. E. b. N.	314 S. E. b. E.	342 S. W. b. S.	362 N. W. b. W.
254 N. E.	315 S. E.	345 S. W.	364 N. W.
256 N. E. b. E.	316 S. E. b. S.	346 S. W. b. W.	365 N. W. b. N.
261 E. N. E.	321 S. S. E.	351 W. S. W.	412 N. N. W.
263 E. b. N.	324 S. b. E.	352 W. b. S.	413 N. b. W.

415 POINT, or points of the compass.

416 HALF point.

421 To STARBOARD, starboard, right hand.

423 To PORT, larboard, left hand.

425 WINDWARD, weather, ing, s, ed, ly, most.

426 LEEWARD, most, lee, lee way.

431 OFF SHORE, to sea, sea-ward, offing.

432 IN SHORE, inland.

435 STEADY, as you go.

436 AHEAD, head, most.

451 On the BOW, bow.

452 ABEAM, beam, on the beam, side, s.

453 On the QUARTER, quarter.

456 ASTERN, stern, most, stern way.

461 ABAFT, after, most, aft.

462 AFORE, fore, most, forward, s.

ALPHABET.

The numbers to be shown over

A WHEFT.

1 — A.	24 — N.
2 — B.	25 — O.
3 — C.	26 — P.
4 — D.	31 — Q.
5 — E.	32 — R.
6 — F.	34 — S.
12 — G.	35 — T.
13 — H.	36 — V.
14 — I.	41 — U.
15 — J.	42 — W.
16 — K.	43 — X.
21 — L.	45 — Y.
23 — M.	46 — Z.

NOTE.—The numbers of the Alphabetical, and Numeral signals, are to be made over a Wheft, and will be best shown at the Gaff end.

When using the former for the purpose of spelling any words, or proper names, the Wheft should be hoisted singly at the end of each, as a stop, or finishing signal; and in like manner after each number when complete, if it be followed by another numeral.

Where an alphabetical or numeral signal, is followed as well as preceded by a sentence, it would not be necessary to haul down the distinguishing Ball.

If a number be required exceeding one hundred, it must be made by two distinct signals: the symbols being limited to six only, some such expedient was unavoidable.

Examples. 4.25.24 stop. 3.1.32.21.25.34. "Don Carlos."

4325. (sentences) 126 stop. 155.354 (compass signal) "Longitude 15° 27' West."

2563. (vocabulary) 145 stop. 135.155 "March twenty-second, 1827."

NUMERAL SIGNALS.

The numbers to be shown over

A WHEFT.

No. of Signal.	Signifi- cation.	No. of Signal.	Signifi- cation.
51—	1. first, single, y.	155—	27.
52—	2. second, double, y.	156—	28.
53—	3. third.	162—	29.
54—	4. fourth.	163—	30.
55—	5.	164—	31.
56—	6.	165—	32.
61—	7.	213—	33.
62—	8.	214—	34.
63—	9.	215—	35.
64—	10.	216—	36.
65—	11.	231—	37.
123—	12.	234—	38.
124—	13.	235—	39.
125—	14.	236—	40.
126—	15.	241—	41.
132—	16.	243—	42.
134—	17.	245—	43.
135—	18.	246—	44.
136—	19.	251—	45.
142—	20.	253—	46.
143—	21.	254—	47.
145—	22.	255—	48.
146—	23.	256—	49.
152—	24.	261—	50.
153—	25.	263—	51.
154—	26.	264—	52.

NUMERAL SIGNALS.

The numbers to be shown over

A WHEFT.

No. of Signal.	Signifi- cation.	No. of Signal.	Signifi- cation.
265—53.		415—77.	
312—54.		416—78.	
314—55.		421—79.	
315—56.		423—80.	
316—57.		425—81.	
321—58.		426—82.	
324—59.		431—83.	
325—60.		432—84.	
326—61.		435—85.	
341—62.		436—86.	
342—63.		451—87.	
345—64.		452—88.	
346—65.		453—89.	
351—66.		455—90.	
352—67.		456—91.	
354—68.		461—92.	
355—69.		462—93.	
356—70.		463—94.	
361—71.		465—95.	
362—72.		512—96.	
364—73.		513—97.	
365—74.		514—98.	
412—75.		515—99.	
413—76.		516—hundred, s, th.	
521—thousand, s, th.		524—half, $\frac{1}{2}$.	
523—million, s.		525—quarter, s.	

VOCABULARY.

NOTE.—There are many languages which differ so materially from each other in their idiom and construction, that it might not be expedient for foreigners to attempt any long communication, by means of the Vocabulary *alone*; unless when they may happen to be in some degree acquainted with the language of the persons addressed: it has been compiled principally for the purpose of filling up, by a word or two, such sentences as have been left incomplete in the former part, and in order that vessels from the same country may communicate more freely together. Whenever it may become necessary, however, to make use of this portion of the work, in addressing ships of a different nation, the following remarks should be attended to; remembering always that vessels *making* signals, should have recourse to the “Alphabetical Index;” while those *answering* them, will refer to the “Vocabulary,” as numerically arranged.

In French, Spanish, Italian, and Portuguese, the negative, as well as the accusative pronoun, usually precede the verb, as 16.56.525. “I not can,” for 16.525.56. “I can not,” or “am not able,” 23.21.1543.; “we him saw,” for 23.1543.21. “we saw him,” as it would be expressed in the English, German and Dutch languages.

With the exception of the auxiliaries, Be, Have, Be able, Ought, Must, &c. (for which see Sentences, page 18.) each verb throughout the whole of its conjugation, is to be expressed by a single signal; as 565. “to meet, meet, meeting, meets, met:” but if it should be wished to designate more particularly, the exact sense in which any word is intended to be used, the signal No. 461. “past tense,” 462. “future,” or 463. “conditional,” may be prefixed; as 23.462.534. “we shall endeavour.” It would be better always to employ the compound form, for the past tense, as 23.512.565. “we have met,” instead of 23.565. “we met:” and here again it should be observed, there is a difference in the English and German idiom. Thus 23.512.56.1543.21. “we have not seen her,” as it would be said in the former, should be 23.512.21.56.1543. “we have her not seen,” when spoken to a Dutch or Prussian vessel.

The verb *Do, Does, Did*, as an auxiliary, is peculiar to the English tongue, and should be avoided in any intercourse with foreigners; so that 16.536.56. 1632. "I do not think," should be rendered, 16.1632 56. "I think not," in German; 16.56.1632. "I not think," in French, Spanish, &c.

To several of the numbers signifying verbs, an adverb, adjective, substantive, or other words nearly synonymous, have been added; as 624. "to stop, detain, arrest, embargo:" but the exact sense intended to be conveyed, will be usually understood from the rest of the sentence; or if any ambiguity should appear, the message may be worded in some other manner.

Some words apparently dissimilar have been represented by a single signal, they are such, however, as in other languages may be expressed by the same term: as 561. "to arrive, to happen," in French, "arriver;" 65. "than, that," in French, "que," in Italian, "che." So likewise 556. "to come, have just," may in French be rendered by one verb, as 21.556.561. "il vient d'arriver," in English literally, "he comes to arrive," would mean, "he has just arrived," or, "there has just happened."

The nominative pronoun must be invariably given: in Spanish, Italian, and Portuguese, it is frequently omitted in conversation as well as writing; using for distinction the proper person of the verb alone: as "abbiamo," "hemos," for "we have."

The English term "must," can only be translated by "it is necessary," in French and Italian; they are both therefore expressed by one number 526; as are also "can, could, may, might," which must be given by the present, past, future, or conditional tenses, of the verb "to be able," 525.

In the same manner, for "ought" and "should" must be used the verb "to owe," 531. for "would" the conditional of "to wish" or "to will," 1635.

The comparative degree of adjectives should be marked by the word "more," 261. which when preceded by the definite article, 13. would also signify "most," or the superlative: as 261.2315. "more far," for "farther;" 13.261.2315. "the most far," for "farthest;" such being the only mode of comparison which the French tongue admits of.

Some words of frequent recurrence in other languages, would be unintelligible if addressed from this vocabulary to those unacquainted with them: such are 15. "y," 14. "en," in the French; 15. "vi, ci," 14. "ne," in the Italian; signifying "in it, or to it, to them, or there," "of it." A more primitive mode of expression must be adopted in communicating with strangers; thus 15.14.521.53, (numeral) "ven erano tre," "there were three of them," if made from the following signals by a Genoese, to an English vessel, would be better understood by substituting 15.521.53. (num.) 31.25. Although this would be at variance with all the rules of Italian composition.

Words with the prefix "un-" signifying contrariety, have been generally omitted; they could only be translated into languages derived from the Latin by means of a negative: 56.1523. "not like," for example, for "unlike;" 56.525. "not able," for "unable."

Other similar observations might be added, but enough may have been said, perhaps, to point out the manner in which the following part should be used by those who are ignorant of any speech but their own, and to guard against the confusion that would otherwise arise where a dictionary alone is employed in conversing with foreigners. Cases will often occur at sea, or on a distant shore, in which the application of signal flags to a vocabulary, capable of being understood by foreigners, would be of material importance to seamen; whose wants, though urgent, may generally be made known in a very few words. The sentences alone, although they might suffice for most occasions, could never have been extended so as to embrace every possible variety of circumstance, in times of distress or danger.

Some difficulty has been found in selecting terms adapted to translation, and it may here be observed, that the experiment has already been made of turning the greater part of this work into the principal European languages.

VOCABULARY.

No separate distinguishing signal.

- 12 A, an.
- 13 The, it.
- 14 Of it, of them, of which.
- 15 To it, at it, in it, to them.
- 16 I, me, my, mine.
- 21 He, him, his, she, her, hers, it, its.
- 23 We, us, our, ours.
- 24 You, your, yours.
- 25 They, them, their, theirs.
- 26 Self, selves, same.
- 31 Of, from.
- 32 To, towards, at.
- 34 In, into, inner, inward, s, within, inside.
- 35 By, through.
- 36 With, along, together.
- 41 Without.
- 42 As, so, thus, therefore.
- 43 For, because.
- 45 If, whether.
- 46 Against, contrary.
- 51 Across, athwart.
- 52 But, except, unless.
- 53 Only, alone.
- 54 Even, although, though.
- 55 Or, else, either.
- 56 No, not, neither, nor.
- 61 None, nobody.

VOCABULARY.

No separate distinguishing signal.

- 62 Nothing.
- 63 And, also.
- 64 Yes.
- 65 Than, that, (adverb, ex. "that we are able.")
- 123 This, these, those, that, (pronoun, ex. "that ship.")
- 124 Who, whom, whose, which, what.
- 125 Where, whence, whither.
- 126 Here, hence, hither.
- 132 There, thence, thither.
- 134 Here is, this is.
- 135 Other, another.
- 136 When.
- 142 How.
- 143 Then.
- 145 Now, present, ly.
- 146 Already.
- 152 Soon, early.
- 153 Quick, immediate, ly, fast.
- 154 Again, still, yet.
- 155 However, meantime.
- 156 Untill, till.
- 162 In future, future, henceforth.
- 163 Since, ago.
- 164 Always.
- 165 Sometimes.
- 213 Never, ever.

VOCABULARY.

No separate distinguishing signal.

- 214 Often, frequent, ly.
- 215 Almost, about, near, ly, off, neighbourhood,
next.
- 216 Perhaps.
- 231 Scarcely, hardly.
- 234 Seldom, rarely.
- 235 Instead.
- 236 Why, wherefore.
- 241 How many, how much.
- 243 So many, so much, as many, as much.
- 245 Equal, ly.
- 246 Too, too many, too much.
- 251 Very, (superlative) much.
- 253 Some, any.
- 254 Such.
- 255 Both, each.
- 256 Many, much, several.
- 261 More, most, (superlative) increase, ed, add,
addition.
- 263 Few, little, small.
- 264 Less, least, lessen, ing, s, ed.
- 265 Before, former, ly, forward.
- 312 Behind, after, wards, aft, abaft.
- 314 On, over, above, up, upper, upward, s, upon,
superior.
- 315 Under, below, beneath, down, ward, s.
- 316 Beyond, besides.

VOCABULARY.

No separate distinguishing signal.

- 321 Out, outer, outward, s, outside.
- 324 Between, among, st, amid, st, middle.
- 325 Thing, s, event.
- 326 Way, s, mode, manner, means, by means.
- 341 All, whole, ly, quite, every, universal.
- 342 Good, ness, fine, benefit, fair.
- 345 Well.
- 346 Better, best, amend, ment, reform, ation, er.
- 351 Bad, ness, foul.
- 352 Ill, sick, ness, evil, disease.
- 354 Worse, worst.
- 355 Difficult, ty, inconvenient, ly.
- 356 Ease, y, ly, ness, convenient, accommodate,
accommodation.
- 361 Great, ly, large, important, ance.
- 362 Broad, wide, ly, breadth.
- 364 Narrow, ly, ness.
- 365 Deep, ly, depth, deepen, ing, s, ed.
- 412 Low, ness, lower, ing, ed, shallow.
- 413 Long, length, en, ing, s, ed.
- 415 Short, en, ing, s, ed, shortness.
- 416 Light, slight, ly, ness, lighten.
- 421 Hard, ness.
- 423 Right, s, ly, exact, ly, accurate, acy, just, ly.
- 425 False, ly, hood, fault, default.
- 426 Real, y, true, truth, indeed.
- 431 Possible, ly, ity.

VOCABULARY.

No separate distinguishing signal.

- 432 Strong, ly, strength, en, ing, s, ed.
 435 Weak, ly, ness.
 436 Cheap, ly, ness.
 451 Dear, ly, ness.
 452 Old, age.
 453 New, young, news.
 455 Common, ly, commons.
 456 Thick, ly, fog, s, y.
 461 Past tense, (of the following verb.)
 462 Future tense, ——— shall, will.
 463 Conditional, ——— should, would.
 465 To have, having, have.
 512 Have, has.
 513 Had.
 514 Shall, will have.
 515 To be, being, be, become.
 516 Am, is, are, becomes.
 521 Was, were, been, became.
 523 Shall, will be, will become.
 524 To belong, ing, s, ed.
 525 To be able, am, are, is, was, were, been able,
 power, can, could, might, may.
 526 To be necessary, am, are, is, was, were, been,
 must.
 531 To owe, ing, s, ed, ought, debt, due.
 532 To prepare, ing, s, ed, ation, ative, ready, ly,
 readiness.

VOCABULARY.

No separate distinguishing signal.

- 534 To attempt, ing, s, ed, try, trial.
 535 To begin, ing, s, gan.
 536 To do, ing, does, done, did, make, ing, s, made, affair, act.
 541 To go, ing, goes, went, gone, bound, am, is, are about to, run, ing, ran, courier.
 542 To go away, going, goes, gone away, departure, quit.
 543 To leave, ing, s, left, let, loose, let go.
 545 To go out, going, goes, gone, went out, sally.
 546 To go in, going, goes, went, gone in, enter, entrance.
 551 To pass, ing, es, ed, past, passage.
 552 To conduct, ing, ed, or, guide, s, lead, er.
 553 To dispatch, ing, es, ed, hasten, ed, haste.
 554 To send, ing, s, sent, messenger, message.
 556 To come, ing, s, came; am, is, are, have, has just.
 561 To arrive, ing, s, ed, al, happen, ed.
 562 To return, ing, s, ed.
 563 To join, ing, s, ed, unite, ed, union.
 564 To accompany, ing, ies, ied, company, ion, society, consort.
 565 To meet, ing, s, met, rendezvous, assembly.
 612 To follow, ing, s, ed, er, according to, chace, consequence.
 613 To approach, ing, es, ed, close nearer

VOCABULARY.

No separate distinguishing signal.

- 614 To catch, ing, es, caught, attain, reach.
 615 To continue, ing, es, ed, ation, during, while, whilst.
 621 To remain, ing, s, ed, stay, wait, rest, expect.
 623 To delay, ing, s, ed, slow, ly, late.
 624 To stop, ing, s, ed, detain, tention, embargo, arrest.
 625 To blockade, ing, s, ed, siege, besiege.
 631 To keep, ing, s, kept, hold, held, contain, contents.
 632 To bring, ing, s, brought, carry, bear.
 634 To put, ing, s, put, place, stow, age, set.
 635 To prevent, ing, s, ed.
 641 To oppose, ing, s, ed, ition, resist, ance.
 642 To prohibit, ing, s, ed, ion, forbid, en.
 643 To refuse, ing, s, ed, al, deny, ial.
 645 To permit, ing, s, ed, ission, licence.
 651 To dismiss, ing, s, ed, al, discharge, dissolution.
 652 To cancel, ing, s, ed, repeal, nullify, abolition.
 653 To change, ing, s, ed, able, alter, ation, shift, exchange.
 654 To differ, ing, s, ed, ent, ence.
 655 To divide, ing, s, ed, end, ision, separate, ion.
 1234 To part, ing, s, ed, ty, ial, ly, part, piece.
 1235 To lose, ing, s, lost, loss, es.
 1236 To want, ing, s, ed, miss, fail, ure.

VOCABULARY.

No separate distinguishing signal.

- 1243 To ask, ing, s, ed, question, demand, claim, s.
- 1245 To pray, ing, ers, beg, s, ed, petition, s.
- 1246 To establish, ing, es, ed, ment, station.
- 1253 To hope, ing, s, ed.
- 1254 To promise, ing, s, ed, issory.
- 1255 To offer, ing, s, ed.
- 1256 To answer, ing, s, ed, reply, acknowledge,
acknowledgment.
- 1263 To lend, ing, s, lent, loan, spare.
- 1264 To borrow, ing, s, ed.
- 1265 To supply, ing, ies, ied.
- 1324 To assist, ing, s, ed, ance, ant, s, help.
- 1325 To serve, ing, ed, ice, ant, s.
- 1326 To succeed, ing, s, ed, cess, full, ly.
- 1342 To give, ing, s, gave, gift.
- 1345 To get, ing, s, got, obtain, possession.
- 1346 To gain, ing, s, ed, advantage, profit.
- 1352 To buy, ing, s, bought, purchase.
- 1354 To sell, ing, s, sold, sale, s, auction.
- 1355 To cost, ing, s, value, able, worth, price.
- 1356 To pay, ing, s, paid, payment, s, able.
- 1362 To give back, give, ing, s, gave back, restore.
- 1364 To receive, ing, s, ed, ception, receipt,
accept, ance.
- 1365 To take, ing, s, took, seize, ure, prize.
- 1423 To take away, take, s, ing, took away, de-
prive, private.

VOCABULARY.

No separate distinguishing signal.

- 1425 To use, ing, s, ed, ual, ly, ful, ly, employ, ment.
- 1426 To thank, ing, s, ed, ful, ly.
- 1432 To agree, ing, s, ed, ment, consent, treaty, armistice.
- 1435 To satisfy, ing, ies, ied, faction, factory, suffice, icient, enough.
- 1436 To add, ing, s, ed, ition, al, increase.
- 1452 To fill, ing, s, ed, full, ly, plenty.
- 1453 To weigh, ing, s, ed, weight, heavy, ness, ly.
- 1455 To measure, ing, s, ed, quantity.
- 1456 To count, ing, s, ed, number, numeral, list.
- 1462 To form, ing, s, ed, ation, shape, figure, build.
- 1463 To describe, ing, s, ed, scription, sort, kind.
- 1465 To appear, ing, s, ed, arent, ly, seem.
- 1523 To resemble, ing, s, ed, like, ly, probable, probably, probability.
- 1524 To explain, ing, s, ed, ation.
- 1525 To repeat, ing, s, ed, repetition.
- 1526 To indicate, ing, s, ed, ation, point out, index.
- 1532 To direct, ing, s, ed, tion, or, s.
- 1534 To cause, ing, s, ed, reason.
- 1535 To occasion, ing, ed, opportunity.
- 1536 To inform, ing, s, ed, ation, acquaint, intelligence.
- 1542 To discover, ing, s, ed, ry, uncover.

VOCABULARY.

No separate distinguishing signal.

- 1543 To see, ing, s, saw, look, reconnoitre, sight.
 1545 To search, ing, es, ed.
 1546 To find, ing, s, found.
 1552 To show, ing, s, ed, shown.
 1553 To conceal, ing, s, ed, ment, hide, secret, secrecy.
 1554 To close, ing, s, ed, ure, shut.
 1556 To open, ing, s, ed.
 1562 To publish, ing, es, ed, ic, ation, advertise, ment, proclaim, ation, announce, ment.
 1563 To print, ing, s, ed, er, book, s, volume, s.
 1564 To read, ing, s, read, er.
 1565 To write, ing, s, wrote, written.
 1623 To correspond, ing, s, ed, ence, ent, s, letters.
 1624 To communicate, ing, s, ed, ation.
 1625 To observe, ing, s, ed, er, ation, remark, s, remarkable.
 1632 To think, ing, s, thought, s, opinion, believe.
 1634 To expose, d, subject, s, ed, liable.
 1635 To wish, ing, es, ed, will, ing, would.
 1642 To know, ing, s, knew, knowledge, acquaintance.
 1643 To assure, ing, s, ed, ance, sure, ly, certain, ly, ty, safe, ly, ty.
 1645 To advise, ing, s, ed, er, able, advice.
 1652 To tell, ing, s, told, say, said, speak, ing, speech, spoke, n, report, s, ed, language.

VOCABULARY.

No separate distinguishing signal.

- 1653 To choose, ing, s, chose, n, choice, elect, election, or, s.
- 1654 To call, ing, s, ed, name, s, vocabulary, word, s.
- 1655 To order, ing, s, ed, command, ing, s, ed, ant, er.
- 2134 To authorise, ing, s, ed, ity, ies.
- 2135 To understand, ing, s, stood.
- 2136 To remember, ing, s, ed, brance, recal.
- 2143 To forget, ing, s, got, getful.
- 2145 To hear, ing, s, heard, learn.
- 2146 To mean, ing, s, meant, intend, ention, s.
- 2153 To mistake, ing, s, took, taken, error, oneous.
- 2154 To neglect, ing, s, ed, ful, igent.
- 2155 To doubt, ing, s, ed, ful, ly.
- 2156 To suspect, ing, s, ed, picious, suspicion.
- 2163 To caution, ing, s, ed, ious, ly, warn, ing, s.
- 2164 To guard against, guard, ing, s, ed, against, watch.
- 2165 To take care of, taking, takes, took care of.
- 2314 To avoid, ing, s, ed.
- 2315 To keep at a distance, keep, ing, s, kept at a distance, far, distant.
- 2316 To threaten, ing, s, ed, threat, s.
- 2341 To risk, ing, s, risk, hazard, ous, accident, al, chance.
- 2345 To injure, ing, s, ed, y, harm, damage.

VOCABULARY.

No separate distinguishing signal.

- 2346 To break, ing, s, broke, breach, split, spring.
 2351 To spoil, ing, s, spoilt, ruin.
 2354 To be sorry, am, is, are sorry, misfortune, unfortunate.
 2355 To be glad, am, is, are glad, happy, ness, fortunate.
 2356 To fear, ing, s, ed, ful, afraid.
 2361 To dare, ing, s, ed, courage, bold, brave.
 2364 To quarrel, ing, s, ed, war, hostile, ities.
 2365 To fight, ing, s, fought, battle, action.
 2413 To attack, ing, s, ed, assault.
 2415 To conquer, ing, s, ed, or, victory, ious.
 2416 To defeat, ing, s, ed, beat.
 2431 To force, ing, s, ed, able, ably.
 2435 To retreat, ing, ed, flight.
 2436 To strike, ing, s, struck, surrender.
 2451 To plunder, ing, s, ed, er, s, rob, ber, s.
 2453 To imprison, ing, ed, prison, s, er, s.
 2455 To wound, ing, s, ed, hurt.
 2456 To fall, ing, s, en, fell.
 2461 To kill, ing, ed, murder, er.
 2463 To infect, ing, s, ed, ion, ious, contagion, ious.
 2465 To die, dying, dies, dead, death, mortal, ity.
 2513 To save, ing, s, ed, escape, cure, ed.
 2514 To release, ing, ed, free, dom, liberty.
 2515 To protect, ing, s, ed, ion, convoy.

VOCABULARY.

No separate distinguishing signal.

- 2516 To raise, ing, s, ed, rise, n, high, height, altitude, hoist.
- 2531 To pacify, ing, ed, peace, pacific.
- 2534 To live, ing, s, ed, alive, life.
- 2535 To pardon, ing, s, ed, amnesty.
- 2536 To end, ing, s, ed, finish, final, ly, last, at last, limit, latest.
- 2541 Time, s, temporary, weather.
- 2543 Year, s, ly, annual, ly.
- 2545 Spring.
- 2546 Summer.
- 2551 Autumn, fall.
- 2553 Winter.
- 2554 Month, s, ly.
- 2556 January.
- 2561 February.
- 2563 March.
- 2564 April.
- 2565 May.
- 2613 June.
- 2614 July.
- 2615 August.
- 2631 September.
- 2634 October.
- 2635 November.
- 2641 December.
- 2643 Week, s, ly.

VOCABULARY.

No separate distinguishing signal.

- | | |
|------|--------------------------|
| 2645 | Sunday. |
| 2651 | Monday. |
| 2653 | Tuesday. |
| 2654 | Wednesday. |
| 2655 | Thursday. |
| 3124 | Friday. |
| 3125 | Saturday. |
| 3126 | Day, s, to-day, date, s. |
| 3142 | Night, s, to-night. |
| 3145 | Yesterday. |
| 3146 | To-morrow. |
| 3152 | Morning, A. M. |
| 3154 | Evening, P. M. |
| 3155 | Hour, s, o'clock. |
| 3156 | Minute, s. |
| 3162 | Degree, s. |
| 3164 | League, s. |
| 3165 | Mile, s. |
| 3214 | Fathom, s. |
| 3215 | Foot, feet. |
| 3216 | Inch, es. |
| 3241 | Ton, s, age. |
| 3245 | Pound, s, (weight.) |
| 3246 | Cask, s, barrel, s. |
| 3251 | Case, s, chest, s, bale. |
| 3254 | Sack, s, bag, s. |
| 3255 | Money, pecuniary. |

VOCABULARY.

No separate distinguishing signal.

- 3256 Gold, en.
- 3261 Silver.
- 3264 Pound, s, (sterling.)
- 3265 Crown, s, dollar, s.
- 3412 Florin, s.
- 3415 Shilling, s.
- 3416 Real, s.
- 3421 Franc, s.
- 3425 Penny, ies, pence.
- 3426 Sol, sous.
- 3451 Cent, s, ime, s.
- 3452 Per cent, age.
- 3455 Nation, s, al, country, ies.
- 3456 Constitution, al, ly.
- 3461 State, s, estate, s, condition, empire, kingdom, &c.
- 3462 Province, cial, county, department.
- 3465 Colony, ial, settle, ed, er, s, ment, s.
- 3512 People, popular, populous.
- 3514 Man, men, husband.
- 3515 Woman, women, wife.
- 3516 Child, ren.
- 3521 Govern, ing, s, ed, ment, s, or.
- 3524 Sovereign, (emperor, king, &c.) imperial, royal, &c.
- 3525 President, ency, chief, tain, prince, principal.

VOCABULARY.

No separate distinguishing signal.

- | | |
|------|--|
| 3526 | Parliament, ary, Congress, Diet, States-general, &c. |
| 3541 | Law, s, legal, act, decree, edict, ordinance. |
| 3542 | Minister, ry, terial. |
| 3545 | Secretary, ies, clerk. |
| 3546 | Ambassador, embassy. |
| 3551 | Consul, ar. |
| 3552 | Navy, al, nautical. |
| 3554 | Admiralty, minister of marine. |
| 3556 | Fleet, s, squadron, s. |
| 3561 | Man, men of war. |
| 3562 | Ship, s, of the line. |
| 3564 | Frigate, s. |
| 3565 | Corvette, s, sloop of war. |
| 3612 | Ship, s, ing, vessel, s. |
| 3614 | Brig, s, antine. |
| 3615 | Schooner, s. |
| 3621 | Ketch, galliot, bombard. |
| 3624 | Cutter, s, sloop, s. |
| 3625 | Lugger, s. |
| 3641 | Yacht, s. |
| 3642 | Packet, s, mail. |
| 3645 | Transport, s. |
| 3651 | Collier, s. |
| 3652 | Coaster, s, coasted, ing. |
| 3654 | Smuggle, ing, s, ed, er, s. |
| 3655 | Steam vessel, s. |

VOCABULARY.

No separate distinguishing signal.

- 4123 Privateer, s, ing.
- 4125 Pirate, s, ical.
- 4126 Fire ship, s.
- 4132 Stranger, s, foreign, er, s.
- 4135 Friend, s, ly, ship, ally, ies, iance.
- 4136 Enemy, ies.
- 4152 Ensign, s, colours.
- 4153 Flag, s.
- 4155 Jack, (national.)
- 4156 Pendant, s.
- 4162 Guidon, s.
- 4163 Cornette, s.
- 4165 Vane, s.
- 4213 Ball, s.
- 4215 Wheft, s.
- 4216 Signal, s, ize, ing, ed, sign.
- 4231 Telegraph, ing.
- 4235 Hull, s.
- 4236 Keel.
- 4251 Bottom, s, ground.
- 4253 Side, s.
- 4255 Deck, s, ed, er, s.
- 4256 Cabin, s.
- 4261 Rudder, s, helm.
- 4263 Hold, s.
- 4265 Capstan, windlass.
- 4312 Pump, s, ing, ed.

VOCABULARY.

No separate distinguishing signal.

- 4315 Engine, s, eer, s.
- 4316 Boiler, s.
- 4321 Paddle, s.
- 4325 Rig, ing, ed.
- 4326 Mast, s.
- 4351 Yard, s.
- 4352 Bowsprit.
- 4355 Fore.
- 4356 Main.
- 4361 Mizen.
- 4362 Fore mast.
- 4365 Main mast.
- 4512 Mizen mast.
- 4513 Lower, (mast, &c.)
- 4515 Sail, s.
- 4516 Top, s.
- 4521 Spar, s.
- 4523 Raft, s.
- 4525 Boat. s.
- 4526 Launch, long boat.
- 4531 Oar, s, row, ing, ed.
- 4532 Anchor, s.
- 4535 Grapnel, s.
- 4536 Cable, s.
- 4551 Chain, s.
- 4552 Hawser, s.
- 4553 Rope, s, cordage.

VOCABULARY.

No separate distinguishing signal.

- 4556 Compass, es.
- 4561 Store, s.
- 4562 Canvass.
- 4563 Bunting.
- 4565 Tallow.
- 4612 Tar.
- 4613 Pitch.
- 4615 Hide, s, leather, n.
- 4621 Nail, s, ed.
- 4633 Paint, ing, s, ed, er.
- 4625 Colour.
- 4631 Black, ing, dark, ness.
- 4632 White.
- 4635 Blue.
- 4651 Red.
- 4652 Yellow.
- 4653 Green.
- 4655 Metal, lic.
- 5123 Iron.
- 5124 Copper, ed.
- 5125 Brass, zen.
- 5126 Tin.
- 5132 Lead, en.
- 5134 Fire, ing, fuel.
- 5135 Wood, (fire wood.)
- 5136 Coal.
- 5142 Charcoal.

VOCABULARY.

No separate distinguishing signal.

- 5143 Light, ing, s, ed.
- 5145 Candle, s.
- 5146 Oil, y.
- 5152 Lanthorn, (ship's) light house.
- 5153 Provision, s, victual, ing, ed.
- 5154 Bread, biscuit.
- 5156 Flour, meal.
- 5162 Beef, bullocks.
- 5163 Pork, pig, s.
- 5164 Wine.
- 5165 Spirits, (rum, &c.)
- 5213 Vinegar.
- 5214 Vegetables.
- 5215 Fruit.
- 5216 Potatoes.
- 5231 Poultry.
- 5234 Fish, ing, ed, erman, ermen.
- 5235 Water, ing, s, ed.
- 5236 Medicine, ical, drugs, druggist.
- 5241 Calomel.
- 5243 Opium.
- 5245 Peruvian bark.
- 5246 Soap.
- 5251 Arm, ing, s, ed, ament, s.
- 5253 Gun, s, cannon, ade, artillery.
- 5255 Mortar, s.
- 5256 Musquet, ry.

VOCABULARY.

No separate distinguishing signal.

- 5261 Sword, s.
- 5263 Pistol, s.
- 5264 Ammunition.
- 5265 Powder, gunpowder.
- 5312 Shot, s, ed, bullet, ball.
- 5314 Commerce, cial, trade, ing.
- 5315 Bank, s, ing, er, s.
- 5316 Merchant, s, mercantile.
- 5321 Own, ing, s, ed, er.
- 5324 Agent, s, ency, broker, s, age.
- 5325 Bankrupt, cy.
- 5326 Lloyd's.
- 5341 Underwriter, s.
- 5342 Import, ing, s, ed, er, ation.
- 5345 Export, ing, s, ed, er, ation.
- 5346 Ensure, ing, s, ed, ance.
- 5351 Salvage.
- 5352 Register, ing, s, ed, ry.
- 5354 Load, ing, s, ed, laden.
- 5356 Cargo, es, lading.
- 5361 Timber.
- 5362 Mahogany.
- 5364 Lumber, deals.
- 5365 Cotton.
- 5412 Barilla.
- 5413 Potash.
- 5415 Sulphur, brimstone.

VOCABULARY.

No separate distinguishing signal.

- 5416 Dye, (woods, &c.) logwood.
- 5421 Indigo.
- 5423 Cochineal.
- 5425 Corn, grain, seed.
- 5426 Rice.
- 5431 Cocoa.
- 5432 Coffee.
- 5435 Tea, s.
- 5436 Spice, s.
- 5451 Sugar.
- 5452 Molasses.
- 5453 Salt, s, saline.
- 5456 Tobacco, oes.
- 5461 Wool, len, s.
- 5462 Silk, en.
- 5463 Hemp, en.
- 5465 Flax, en.
- 5512 Manufacture, s, ory, ories.
- 5513 Ballast, in ballast, empty, void.
- 5514 Freight, ing, s, ed, age.
- 5516 Tariff.
- 5521 Duty, ies, tax, es.
- 5523 Custom, s, house.
- 5524 Officer, cial, ly.
- 5526 Admiral, s.
- 5531 Captain, s.
- 5532 Master, s.

VOCABULARY.

No separate distinguishing signal.

- 5534 Lieutenant, s, acy.
- 5536 Mate, second officer.
- 5541 Pilot, s, ing, ed, age, guide.
- 5542 Surgeon, s, ery.
- 5543 Carpenter, s.
- 5546 Seaman, seamen, sailor, s.
- 5561 Crew, s.
- 5562 Military, soldier, s, y.
- 5563 Army, ies.
- 5564 Regiment, s, al.
- 5612 Infantry.
- 5613 Cavalry.
- 5614 General, s, ly.
- 5615 Passenger, s.
- 5621 Passage, voyage, s, travel, ing, ed, er.
- 5623 To unmoor, ing, ed.
- 5624 To weigh anchor, weighing, s, ed anchor.
- 5625 To sail, ing, ed.
- 5631 To make sail, making, made sail.
- 5632 To shorten sail, shortening, s, ed sail.
- 5634 To steer, ing, s, ed, age, stand, stood.
- 5635 To heave to, heaving, hove to.
- 5641 To cruize, ing, ed, er.
- 5642 To tack, ing, s, ed, turn, ing, s, ed, beat up.
- 5643 To wear, ing, s, wore, veer, ing, ed.
- 5645 To bear up, bearing, bears, bore up.
- 5651 To anchor, anchoring, s, ed, age.

VOCABULARY.

No separate distinguishing signal.

- 5652 To moor, mooring, s, ed.
 5653 To drift, ed, ing, drive, ing drove, adrift, drag.
 5654 To slip, slipping, s, ed.
 6123 To cut, cutting, s, cut.
 6124 In danger, danger, ous, ly, endanger.
 6125 In distress, distress, ed, ing.
 6132 To leak, leaking, leaks, ed, age.
 6134 To ground, grounding, s, ed, aground, ashore, on shore.
 6135 To float, floating, floats, ed, afloat, swim, ing, swam.
 6142 To bilge, bilging, bilges, bilged.
 6143 To wreck, ed, er, shipwreck.
 6145 To sink, sinking, sinks, sank, sunken, foundered, drown, ed.
 6152 To abandon, ing, s, ed, ment, desert, ion, er.
 6153 To capsize, ing, ed, overturn, ed.
 6154 To dismast, ing, ed, disable, ed.
 6155 To burn, ing, s, ed, burnt, take, took fire, set on fire.
 6213 To repair, ing, s, ed, refit, ing, ed, renew, al, fit.
 6214 To hail, ing, s, ed, pass within hail.
 6215 To board, ing, s, ed, aboard, on board.
 6231 To tow, ing, s, ed, age, take in tow.
 6234 To conduct, lead, ing, s, in or ahead.

VOCABULARY.

No separate distinguishing signal.

- 6235 Geography, ical.
- 6241 Sand, sand bank, shoal.
- 6243 Bar, s.
- 6245 Rock, s, y, reef, s, breakers.
- 6251 Coast, shore, land.
- 6253 Beach.
- 6254 Island, s, insular.
- 6255 Cape, s, point.
- 6312 Port, s, harbour, s.
- 6314 Bay, gulf.
- 6315 Channel, canal, strait, s.
- 6321 River, s.
- 6324 Current, s, stream.
- 6325 Tide, s, tideway.
- 6341 Flow, ing, s, ed, flood.
- 6342 Ebb, ing, s, ed.
- 6345 High water.
- 6351 Low water.
- 6352 Spring tide, s.
- 6354 Neap tide, s.
- 6355 City, ies, town, s.
- 6412 Dock, ing, s, ed, yard, arsenal.
- 6413 Wharf, s, age, jetty, quay, pier.
- 6415 Quarantine, quarantine ground, lazaretto.
- 6421 Pratique, pratique office.
- 6423 Church, es, chapel, lain, divine service.
- 6425 Battery, ies, fort, ress.

VOCABULARY.

No separate distinguishing signal.

- 6431 Magazine, s, store, shop, s.
- 6432 Post office, post, mail, s.
- 6435 House, s, home.
- 6451 Buoy, s.
- 6452 Beacon, s, land-mark, s.
- 6453 To sound, ing, s, ed.
- 6455 To draw, ing, s, drew, draught, (of water.)
- 6512 To navigate, ing, s, ation.
- 6513 Reckoning, account.
- 6514 Course.
- 6515 Distance.
- 6521 Bear, ing, s, bore.
- 6523 Latitude.
- 6524 Longitude.
- 6525 Lunar, s, moon.
- 6531 Sun, solar.
- 6532 Chronometer, time-piece.
- 6534 Quadrant.
- 6535 Compass, es.
- 6541 Chart, s, map, s, plan.
- 6542 Paper, s, ship's papers.
- 6543 Newspaper, s, journal, s.
- 6545 Wind, s, y, breeze, s.
- 6551 Blow, ing, s, blew, gale.
- 6552 Sea, surf, surge, wave.
- 6553 To clear up, clearing, clears, ed up, clear, ly.
- 6554 Calm, s, to becalm, ed.

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to

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No separate distinguishing signal.

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No separate distinguishing signal.

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No separate distinguishing signal.

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No separate distinguishing signal.

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Barrel, s .	..	..	3246
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Be glad, am, is, are, was, were glad	..	..	2355
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ALPHABETICAL INDEX TO VOCABULARY.

 No separate distinguishing signal.

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Besides	..	..	..	316
Besiege	..	..	..	625
Best	..	...	..	346
Better	..	.	..	346
Between	.	..	.	324
Beyond	..	..	..	316
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Biscuit	..	..	..	5154
Black, ing	..	..	..	4631
Blockade, ing, s, ed		...	...	625
Blow, ing, s, blew, blown			..	6551
Blue	..	..	..	4635
Board, ing, s, ed		.	..	6215
Boat, s	..	..	..	4525
Boiler, s	..	..	..	4316
Bold, ly, ness	..	..	.	2361
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ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

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Both	..	..	255
Bottom, s	..	..	4251
Bound	..	..	541
Bowsprit	..	..	4352
Brass, zen	..	..	5125
Brave	..	..	2361
Bread	..	..	5154
Breadth	..	..	362
Break, ing, s, broke, n	..	..	2346
Breakers	..	..	6245
Breeze	..	..	6545
Brig, antine	...	..	3614
Brimstone	...	..	5415
Bring, ing, s, brought	..	.	632
Broad	..	..	362
Broker, s, age	..	..	5324
Build, ing, built	..	..	1462
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Bullock, s	..	..	5162
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Buy, ing, s, bought	..	..	1352
By	...	..	35
By means	..	..	326

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

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Cable	..	..	..	4536
Calculate, ing, ed, <i>use</i> "count"	..		..	1456
Calculation, <i>use</i> "reckoning"	..		..	6513
Call, ing, s, ed		..	..	1654
Calm, s	..	..	..	6554
Calomel	..	..	..	5241
Can	..	..	..	525
Canal, s	..	..	..	6315
Cancel, ing, s, ed		..	..	652
Candle, s	..	..	..	5145
Canvass	..	..	..	4562
Cape, s	..	..	..	6255
Capstan	..	..	..	4265
Capsize, ed	..	..	..	6153
Captain, s	..	..	..	5531
Capture, ed, <i>use</i> "take"	..		..	1365
Cargo, es	..	..	..	5356
Care, ing, s, ed for		..	..	2165
Carpenter, s	..	..	..	5543
Carry, ing, ies, ied		..	..	632
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Cask, s	..	..	..	3246
Catalogue, <i>use</i> "list"	..		..	1456
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Catch fire	..	..	..	6155
Cause, ing, s, ed		..	..	1534

ALPHABETICAL INDEX TO VOCABULARY.

 No separate distinguishing signal.

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Cavalry	.	5613
Cent, s, ime, s ..	..	3451
Certain, ly, ty ..	..	1643
Chace, ing, s, ed ..	..	612
Chain, s	..	4551
Change, ing, s, ed, able ..	..	653
Channel, s	..	6315
Charcoal	..	5142
Chart, s	..	6541
Cheap, ly, ness ..	..	436
Chief, tain, ly ..	..	3525
Chest, s	..	3251
Child, ren	..	3516
Choose, s, chosen, choice ..	.	1653
Chronometer, s ..	..	6532
Church, es, chapel, s, chaplain	..	6423
City, ies	..	6355
Claim, s	..	1243
Clear, ing, s, ed up, clear, ly	..	6553
Close, ing, s, ed, (shut) ..	..	1554
Close, ing, ed nearer ..	..	613
Coals	..	5136
Coast, s	..	6251
Coaster, s, ing ..	..	3652
Cochineal	..	5423
Cocoa	..	5431

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Coffee	..	..	..	5432
Collier, s	..	...	..	3651
Colony, ies, ial, ist, s	..	..	..	3465
Colour, s	...	..	..	4625
Colours, (ensign)	..	..	..	4152
Come, ing, s, came	...	..	..	556
Command, ing, s, ed, er, ant, s	..	..	..	1655
Commence, <i>use</i> "begin"	...	..	..	535
Commerce, cial	...	..	..	5314
Common, s, ly	...	..	..	455
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Company, ion, ies	..	..	..	564
Compass		..	..	6535
Complete, ly, <i>use</i> "fill"	..	..	..	1452
Comply, ied, <i>use</i> "consent"	..	..	..	1432
Conceal, ing, s, ed, ment	..	..	..	1553
Condition	..	..	..	3461
Conditional tense	..	..	..	463
Conduct, ing, ed	..	..	..	552
Congress	..	..	..	3526
Conquer, ing, s, ed, or, est	..	..	..	2415
Consequence, s	..	..	..	612
Consent, ing, s, ed	...	..	..	1432
Consort			..	564
Constantly, <i>use</i> "always"	...	..	..	164
Constitution, al, ly	...	..	..	3456
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ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

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Contain, contents	..	..	631
Continue, ing, s, ed, al, ly	..	..	615
Contrary	..	..	46
Convenient, ly, ence	..	..	356
Convey, ed, <i>use</i> "carry"	..	..	632
Convoy, ing, s, ed, convoy	..	..	2515
Copper, s, ed	..	..	5124
Cordage	..	..	4553
Corn	..	..	5425
Cornette, s	..	..	4163
Correct, <i>use</i> "accurate"	..	..	423
Correspond, ing, s, ed, ence, ent	..	..	1623
Corvette, s	..	..	3565
Cost, ing, s	..	..	1355
Cotton	..	..	5365
Could	..	..	525
Count, ing, s, ed	..	..	1456
Country, ies	..	..	3455
County, ies	..	..	3462
Courage, eous	..	..	2361
Courier	..	..	541
Course	..	..	6514
Cover, ed, <i>use</i> "hide"	..	..	1553
Crew, s	..	..	5561
Crown piece	..	..	3265
Cruise, ing, er	..	..	5641

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

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Current, s	..	..	..	6324
Custom, s, custom house	..		..	5523
Cut, ting, s	..	..	..	6123
Cutter	..	..	..	3624
Damage, ed	...	..	..	2345
Danger, ous, ly		..	..	6124
Dare, ing, s, ed		..	..	2361
Dark, ness	..	..	..	4631
Date, s	..	..	..	3126
Day, s, ly	..	..	..	3126
Deals	..	..	..	5364
Dear, ly, ness	..	..	..	451
Death	..	..	..	2465
December	..	..	..	2641
Deck, s, ed, er, s		.	..	4255
Debt	..	..	..	531
Decay, ed, <i>use</i> "spoil"		..	..	2351
Declare, ation, <i>use</i> "announce"			..	1562
Decree, s	..	..	..	3541
Default	..	..	..	425
Deep, ly, deepen, ing, s, ed			..	365
Defeat, ing, s, ed		..	..	2416
Defend, ence, <i>use</i> "protect"			..	2515
Degree, s	..	..	..	3162
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ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

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Deny, ing, ies, ied, ial	..	..	643
Department, s	..	..	3462
Departure	..	..	542
Depth	..	..	365
Deprive, ing, ed	..	..	1423
Describe, ing, s, ed, scription	..	..	1463
Desert, ion, er	..	..	6152
Destroy, struction, <i>use</i> "ruin"	..	..	2351
Detain, detention	..	..	624
Did	..	..	536
Die, ing, ies, ied, dead	..	..	2465
Diet, (assembly)	..	..	3520
Differ, ing, s, ed, ent, ence	..	..	654
Difficult, ty	..	..	355
Direct, ing, s, ed, ion, s, or, s	..	..	1532
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Discharge, ing, s, ed	..	..	651
Disclose, ed, <i>use</i> "show"	..	..	1552
Discover, ing, s, ed, y	..	..	1542
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Dismast, ing, ed	..	..	6154
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ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

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Divine service, s	..	6423
Do, ing, does, done	..	536
Dock, ing, s, ed, yard	..	6412
Dollar, s	..	3265
Doubt, s, ed, ful, ly	..	2155
Down	..	315
Drag, ing, s, ed	..	5653
Draw, ing, s, drew, draught, (of water)	..	6455
Drift, ing, s, ed	..	5653
Drive, ing, s, drove	..	5653
Drop, ping, ed, <i>use</i> "fall"	..	2456
Drown, ing, ed	..	6145
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During	..	615
Duty, ies, (tax)	..	5521
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ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

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Encrease	..	..	1436
End, ing, s, ed	..	..	2536
Endanger, s, ed	..	..	6124
Endeavour, ed, <i>use</i> "attempt"	..	..	534
Enemy, ies	..	..	4136
Engage, ment, <i>use</i> "fight"	..	..	2365
Engine, s, eer, s	..	..	4315
Enough	..	..	1435
Enquire, y, <i>use</i> "ask"	..	..	1243
Ensign, s, (colours)	..	..	4152
Ensure, ing, s, ed, ance	..	..	5346
Enter, ing, s, ed, rance	..	..	546
Entire, ly, <i>use</i> "whole"	..	..	341
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ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

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Exchange	..	..	..	653
Expect, ed, ation		..	..	621
Explain, ation		..	..	1524
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Expose, d,	..	..	.	1634
Fail, ed, ure	..	..	..	1236
Fair	..	..	..	342
Fall, (autumn)	..	..	..	2551
Fall, ing, s, fell		..	..	2456
False, ly, hood.		..	..	425
Far	..	..	..	2315
Fathom, s	..	..	..	3214
Fault, s	.	..	..	425
Fear, ing, ed, ful		..	..	2356
February	..	..	..	2561
Fetch, ing, use "bring"		..	..	632
Feet	..	..	..	3215
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ALPHABETICAL INDEX TO VOCABULARY.

 No separate distinguishing signal.

Fill, ing, s, ed, full, ly	..	..	1452
Final, ly	..	..	2536
Find, ing, s, found	..	..	1546
Fine, (fair)	..	..	342
Finish, ing, es, ed	..	..	2536
Fire, ing, (fuel)	..	..	5134
Fire, take, catch, or set on fire	..	..	6155
Fire ship	..	..	4126
Fish, ing, ed, erman, ermen	..	..	5234
Fit, ting, ed	..	..	6213
Flag, s, (signal)	..	..	4153
Flax, en	..	..	5465
Fleet	..	..	3556
Flight	..	..	2435
Float, ing, s, ed	..	..	6135
Flood	..	..	6341
Florin, s	..	..	3412
Flow, ing, s, ed	..	..	6341
Fly, ing	..	..	2435
Fog, s, y	..	..	456
Follow, ing, s, ed, er, s	..	..	612
Foot	..	..	3215
For	..	..	43
Forbid, s, bade, bidden	..	..	642
Force, ing, es, ed	..	..	2431
Foreign, er, s	..	..	4132
Forget, ing, s, got, en	..	..	2143

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

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Former	..	..	265
Fort, ress	..	..	6425
Fortunate, ly	..	..	2355
Forward, s	..	..	265
Founder, ing, s, ed	..	..	6145
Franc, s	..	..	3421
Free, dom	..	..	2514
Freight, ing, s, ed, freightage		..	5514
Frequent, ly	..	..	214
Friend, ly, ship	..	..	4135
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Friday	..	..	3124
From	..	..	31
Future	..	..	162
Future tense	..	..	462
Gain, ing, s, ed	..	..	1346
Gale, s	..	..	6551
Galliot, s	..	..	3621
Gazette, use "newspaper"	..	..	6543
General, ly	..	..	5614
Geography, ical	..	..	6235
Get, ing, s, got	..	..	1345
Give, ing, s, gave, gift	..	..	1342
Give back, giving, gave back		..	1362
Glad, be, am, is, are	..	..	2355

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Go, ing, goes, went, gone ..	..	541
Go away, going, went, gone away ..	..	542
Go out, going, went, gone out ..	..	545
Go in, going, gone, went in ..	..	546
Gold, en	..	3256
Good, ness	..	342
Govern, ing, s, ed, ment, s, or ..	..	3521
Grain	..	5425
Grapnel, s	..	4535
Great, ly, ness ..	.	361
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Ground, (bottom) ..	..	4251
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Guide, s	..	5541
Guidon, s	..	4162
Gun, s	..	5253
Gunpowder ..	.	5265
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Hail, ing, ed	..	6214
Happen, ing, s, ed ..	..	561
Happy, ness	..	2355
Harbour, s	..	6312
Hard, ness	..	421
Hardly, (scarcely) ..	..	231
Harm	..	2345

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Has	..	..	..	512
Hasten, ing, s, ed, haste	..	..	..	553
Hauser, s	..	..	..	4552
Have, having	..	..	..	465
Have, (present tense)	..	..	..	512
Have, (future)	..	..	..	514
Hazard, ous	..	..	..	2341
He	..	..	..	21
Hear, ing, s, heard	..	..	..	2145
Heave to, heaving, hove to	..	..	..	5635
Heavy, ness, ly	..	..	..	1453
Height	..	..	..	2516
Helm	..	..	..	4261
Help, ing, s, ed	..	..	..	1324
Hemp, en	..	..	..	5463
Hence	..	..	..	126
Henceforth	..	..	..	162
Her, hers	..	..	..	21
Here	..	..	..	126
Here is	..	..	..	134
Hide, ing, s, hidden	..	..	..	1553
Hide, s, (leather)	..	..	..	4615
High	..	..	..	2516
High water	..	..	..	6345
Him, his	..	..	..	21
Hither	..	..	..	126
Hoist, ing, s, ed	..	..	..	2516

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Hold, s, (of a ship)	..	..	4263
Hold, ing, held	..	..	631
Home ..	..	..	6435
Hope, ing, s, ed	..	..	1253
Hostile, ity, ies	..	..	2364
Hour, s ..	..	..	3155
House, s ..	..	..	6435
How ..	..	..	142
How many, how much	..	..	241
However ..	..	..	155
Hull, s ..	..	..	4235
Hurt ..	..	..	2455
Husband ..	..	..	3514
I ..	..	..	16
If ..	..	..	45
Ill, ness ..	..	..	352
Immediate, ly ..	..	..	153
Imperial ..	..	..	3524
Import, ing, s, ed, ation, er	..	..	5342
Important, ance ..	..	..	361
Imprison, ed, ment ..	..	..	2453
In, ner, into, inward, s	..	..	34
In it ..	..	..	15
In future ..	..	..	162
Inch, es ..	..	..	3216
Inconvenient, ly, ence ..	..	..	355

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Increase	..	..	..	1436
Indeed	..	..	..	426
Index	..	..	..	1526
Indicate, ing, ed, ion		..	..	1526
Indigo	..	..	..	5421
Infantry	..	..	..	5612
Infect, ion, ious		..	..	2463
Inform, ing, s, ed, ation	..		..	1536
Injure, ing, s, ed, y		.	..	2345
Inside	..	..	..	34
Instantly, <i>use</i> "immediately"			..	153
Instead	..	..	..	235
Insular	..	..	..	6254
Intelligence	..	..	..	1536
Intend, ing, s, ed, ention, s			..	2146
Into, inward, s		..	..	34
Iron	..	..	..	5123
Is	..	..	..	516
Is able	..	..	..	525
Is necessary	..	..	..	526
Is just	.	..	..	556
Island, er	..	..	..	6254
It, (the)	..	..	.	13
It, (pronoun) its		..	..	21
Jack, (national)		..	..	4155
January	..	..	..	2556

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Jetty	..	..	6413
Join, ing, s, ed, junction	..	..	563
Journal, s	..	..	6543
July	..	..	2614
June	..	..	2613
Just, ly, justice	..	..	423
Keel	..	..	4236
Keep, ing, s, kept	..	..	631
Keep at a distance	..	..	2315
Keep company, use "accompany"	..	..	564
Ketch	..	..	3621
Kill, ing, s, ed	..	..	2461
Kind, (sort)	..	..	1463
King	..	..	3524
Kingdom, s	..	..	3461
Know, ing, s, knew, knowledge	..	..	1642
Laden	..	..	5354
Lading, (cargo)	..	..	5356
Land, (shore)	..	..	6251
Landmark, s	..	..	6452
Language, s	..	..	1652
Lanthorn, s	..	..	5152
Large	..	..	361
Last, ly, latest, at last	..	..	2536
Late, slow	..	..	623

ALPHABETICAL INDEX TO VOCABULARY.

 No separate distinguishing signal.

Latitude	..	..	..	6523
Launch, es	..	..	.	4526
Law, s	..	.	..	3541
Lazzaretto	..	..	..	6415
Lead, en, (metal)		..	..	5132
Lead in, ing, s, led in		..	..	6234
League, s	..	..	..	3164
Leak, ing, s, ed, age		..	..	6132
Learn, ing, s, ed, er		..	..	2145
Least	..	..	..	264
Leather, n	..	..	..	4615
Leave, ing, s, left		..	..	543
Legal, ly	..	..	..	3541
Lend, ing, s, lent		..	..	1263
Length	..	.	..	413
Lengthen, ing, s, ed		..	..	413
Less	..	..	..	264
Lessen, ing, s, ed		..	..	264
Let, (allow)	..	..	..	543
Let go	..	..	..	543
Letter, s	..	..	.	1623
Liable	.	..	..	1634
Liberty	.	..	..	2514
License	..	..	.	645
Lie to, use "heave to"		..	..	5635
Lieutenant, s, acy		..	..	5534
Life	..	..	..	2534

ALPHABETICAL INDEX TO VOCABULARY.

 No separate distinguishing signal.

Light, (little weight)	..	..	416
Light, s	..	..	5143
Light house, light vessel	..	..	5152
Lighten, ing, s, ed	..	..	416
Like, ly, ness	..	..	1523
Limit, s	..	..	2536
List	..	..	1456
Little	..	..	263
Live, ing, s, ed	..	..	2534
Lloyd's	..	..	5326
Load, ing, s, ed	..	..	5354
Loan, s	..	..	1263
Logwood	..	..	5416
Long	..	..	413
Long boat, s	..	..	4526
Longitude	..	..	6524
Look, ing, s, ed	..	..	1543
Loose, (let go)	..	..	543
Lose, ing, s, lost, loss, es	..	..	1235
Low, ness	..	..	412
Low water	..	..	6351
Lower, ing, s, ed	..	..	412
Lower mast, yard, &c.	..	..	4513
Lugger, s	..	..	3625
Lumber	..	..	5364
Lunar, s	..	..	6525

ALPHABETICAL INDEX TO VOCABULARY.

 No separate distinguishing signal.

Made	..	..	..	536
Magazine, s	..	..	..	6431
Mahogany	..	..	..	5362
Mail, s	..	..	..	3642
Main	..	..	..	4356
Mainmast	..	..	..	4365
Majesty, ies	..	..	..	3524
Make, ing, s	..	..	..	536
Make sail, making, made sail			..	5631
Man, men	..	..	..	3514
Man, men of war		..	..	3561
Manner	..	..	..	326
Manufacture, s, ory, ies	..	..	..	5512
Many	..	..	..	256
Map, s	..	..	..	6541
March	..	..	..	2563
Mark, s, (land mark)	..	..	..	6452
Mast, s	..	..	..	4326
Master, s	..	..	..	5532
Mate, s	..	..	..	5536
May, (be able)	..	..	..	525
May, (month)	..	..	..	2565
Me	..	..	..	16
Meal	..	..	..	5156
Mean, ing, s, meant	..	..	..	2146
Meantime, meanwhile	..	..	..	155
Means, by means	..	..	..	326

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Measure, ing, s, ed	..	..	1455
Medicine, s	..	..	5236
Meet, ing, s, met	..	..	565
Men	..	..	3514
Merchant, s, mercantile	..	..	5316
Message, enger	..	..	554
Metal, s, lic	..	..	4655
Middle	..	..	324
Midship, s	..	..	324
Might	..	..	525
Mile, s	..	..	3165
Military	..	..	5562
Mine	..	..	16
Minister, ry	..	..	3542
Minute, s	..	..	3156
Misfortune	..	..	2354
Miss, ing, ed	..	..	1236
Mistake, ing, s, took, en	..	..	2153
Mizen	..	..	4361
Mizen mast	..	..	4512
Mode, s	..	..	326
Molasses	..	..	5452
Monarch, ical	..	..	3524
Monarchy	..	..	3461
Monday	..	..	2651
Money	..	..	3255
Month, s, ly	..	..	2554

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Moon	..	..	..	6525
Moor, ing, s, ed		..	..	5652
More, most	..	..	..	261
Morning	..	..	..	3152
Mortal, ity	..	..	..	2465
Mortar, s,	..	..	..	5255
Move, use "go"		..	..	541
Much, (many)		..	..	256
Much, (very)	..	..	..	251
Murder, ed, er		..	..	2461
Musquet, s, ry..		..	..	5256
Must	..	..	..	526
My	..	..	..	16
Nail, s, ed	..	..	..	4621
Name, s	..	..	..	1654
Narrow, ly, ness		..	..	364
Nation, s, al	..	..	..	3455
Navigate, ing, s, ed, ation	..		..	6512
Navy, al, nautical		..	..	3552
Neap tide, s	..	..	..	6354
Near, ly, ness	..	..	..	215
Necessary	..	.	..	526
Neglect, ing, s, ed, ful, igent			..	2154
Neighbour, hood		..	..	215
Neither	..	..	..	56
Never	..	..	..	213

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

New, s	..	..	..	453
Newspaper	..	..	..	6543
Next	..	..	..	215
Night, s, to-night	..	..	..	3142
No, nor, not	..	..	..	56
Nobody, none	..	..	..	61
Nothing	..	..	..	62
November	..	..	..	2635
Now	..	..	..	145
Nullify, ier, ication	..	..	..	652
Number, ing, s, ed	..	..	..	1456
Numeral, s	..	..	..	1456
Oar, s	..	..	..	4531
Observe, ing, ed, er, ation	..	..	..	1625
Obtain	..	..	..	1345
Occasion, s, ed	..	..	..	1535
O'clock	..	..	..	3155
October	..	..	..	2634
Of	..	..	..	31
Of it, of them, of which	..	..	..	14
Off	..	..	..	215
Offer, ing, s, ed	..	..	..	1255
Officer, s, ial	..	..	..	5524
Often	..	..	..	214
Oil, y	..	..	..	5146
Old	..	..	..	452

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

On	..	..	..	314
On board	..	..	..	6215
Only	..	..	..	53
On shore	..	..	..	6134
Open, ing, s, ed		..	..	1556
Opinion, s	..	..	..	1632
Opium	..	..	..	5243
Opportunity, ies		..	..	1535
Oppose, ing, s, ed, ition	..		..	641
Opposite, <i>use</i> "against"	..		..	46
Or	...	..	..	55
Order, ing, s, ed		..	..	1655
Ordinance, s	..	..	..	3541
Other, s	..	..	..	135
Ought	...	..	..	531
Our, s	...	..	..	23
Out, er, ward, s, side		..	..	321
Over	..	..	..	314
Overtake, <i>use</i> "catch"	..		..	614
Overturn, ed	..	..	..	6153
Owe, ing, s		..	..	531
Own, ing, s, ed, er, s		..	..	5321
P. M.	..	..	..	3154
Pacify, ied, ic	..	..	..	2531
Packet, s	..	..	..	3642
Paddle, s	..	..	..	4321

ALPHABETICAL INDEX TO VOCABULARY.

 No separate distinguishing signal.

Paint, ed	..	..	..	4623
Paper, s	..	..	.	6542
Pardon, ing, s, ed	..	..	..	2535
Parliament, ary	..	..	..	3526
Part, ing, s, ed	..	..	..	1234
Pass, ing, es, ed, past, passage	..	..	..	551
Passenger, s	..	..	..	5615
Past tense	..	..	..	461
Pay, ing, s, paid, ment	..	..	..	1356
Peace, ful, ly	..	..	..	2531
Pecuniary	..	.	..	3255
Pendant, s	..	..	.	4156
Penny, ies	..	..	..	3425
People	..	..	..	3512
Per cent, age	..	..	..	3452
Perhaps	..	..	..	216
Permit, ing, s, ed, ission	..	..	..	645
Peruvian bark	..	..	..	5245
Petition	..	..	..	1245
Piece, s	..	..	..	1234
Pier	..	..	..	6413
Pig, s	..	..	..	5163
Pilot, s, ing, age	..	..	..	5541
Pirate, s, ical	..	..	..	4125
Pistol, s	..	..	..	5263
Pitch	..	..	..	4613
Place, s, ing, ed	..	.	.	634

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Plan, s	..	..	..	6541
Plenty, ful	..	..	..	1452
Plunder, ing, s, ed	..	..	..	2451
Point, (cape)	..	..	..	6255
Point out, pointed out	..	..	..	1526
Popular, ace, ous, ation	..	..	..	3512
Pork	..	..	..	5163
Port, s	..	..	..	6312
Position, <i>use</i> "place"	..	..	..	634
Possession	..	..	..	1345
Possible, y, ility	..	..	..	431
Post, post office	..	..	..	6432
Potash	..	..	..	5413
Potatoes	..	..	..	5216
Pound, s, (sterling)	..	..	..	3264
Pound, s, (weight)	..	..	..	3245
Poultry	..	..	..	5231
Power, s	..	..	..	525
Powder	..	..	..	5265
Pratique, pratique office	.	..	..	6421
Pray, ing, ers	..	..	..	1245
Prepare, ing, s, ed, ation, ative	..	..	..	532
Present, ly, (now)	..	..	..	145
Present, s, ed, <i>use</i> "give, gift"	..	..	..	1342
President, s, ency	..	..	..	3525
Prevent, ing, s, ed, ion	..	..	..	635
Price, s	..	..	..	1355

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Prince, ipal	..	..	..	3525
Print, ing, s, ed, er	..	..	..	1563
Prison, s, er, s..	..	..	..	2453
Private	...	..	..	1423
Privateer, s	..	..	..	4123
Prize, s	..	..	..	1365
Probable, y, ility	..	..	..	1523
Proclamation	..	..	..	1562
Profit	..	..	..	1346
Prohibit, ing, s, ed, ion	..	..	..	642
Promise, ing, s, ed, ory	..	..	..	1224
Protect, ing, s, ed, or, s, ion	..	..	..	2515
Province, s, ial	..	..	..	3462
Provision, s	..	..	..	5153
Public, ation	..	..	..	1562
Publish, ing, es, ed, er	..	..	..	1562
Pump, s, ing, ed	..	..	..	4312
Purchase, ed, er	..	..	..	1352
Pursue, suit, use "chace"	..	..	..	612
Put, ting, s	..	..	.	634
Quadrant, s	..	..	..	6534
Quantity, ies	..	..	..	1455
Quarantine, quarantine ground	..	..	..	6415
Quarrel, ing, ed	..	..	..	2364
Quay, s	..	..	..	6413
Question, s	..	.	..	1253

ALPHABETICAL INDEX TO VOCABULARY.

 No separate distinguishing signal.

Quick, ly, ness	..	..	153
Quit, ing, ed	..	..	542
Quite	..	..	341
Raft, s	..	..	4523
Raise, ing, es, ed	..	.	2516
Rarely	..	..	234
Rather, <i>use</i> "more soon"	..	..	261
Reach, ing, ed	..	..	614
Read, ing, s, er	..	..	1564
Ready, ily, ness	..	..	532
Real, ly, ity	..	..	426
Real, s, (money)	..	..	3416
Reason, s	..	..	1534
Recall	..	..	2136
Receipt	..	..	1364
Receive, ing, s, ed, er, eption	..	..	1364
Reckoning	..	..	6513
Reconnoitre	..	..	1543
Red	..	..	4651
Reef, s	..	..	6245
Refit, ed, ing	..	..	6213
Reform, er	..	..	346
Refuse, ing, s, ed, al	..	..	643
Regiment, s, al	..	..	5564
Register, ing, s, ed, y	..	..	5352
Release, ing, s, ed	..	..	2514

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Relieve, ing, ed, <i>use</i> "assist"	..	1324
Remain, ing, s, ed, der ..	..	621
Remark, ing, s, ed, able ..	..	1625
Remember, ing, s, ed, rance ..	..	2136
Remove, <i>use</i> "take away" ..	..	1423
Rendezvous ..	..	565
Renew, al ..	..	6213
Repair, ing, s, ed ..	..	6213
Repeal, ing, s, ed ..	..	652
Repeat, ing, s, ed, ition ..	..	1525
Reply, ies, ied ..	..	1256
Report, s, ed ..	..	1652
Request, <i>use</i> "ask" ..	..	1243
Resemble, ing, s, ed, ance ..	..	1523
Resist, ance ..	..	641
Rest, ing, ed ..	..	621
Restore, ation ..	..	1362
Retreat, ing, s, ed ..	..	2435
Return, ing, s, ed ..	..	562
Rice ..	..	5426
Rich, es, ly, ness ..	..	455
Rig, ing, s, ed, er ..	..	4325
Right, s, ly ..	..	423
Rise, n, rose ...	..	2516
Risk, ing, s, ed ..	..	2341
River, s ..	..	6321
Rock, s, y ..	..	6245

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Rob, ing, s, ed, er, s, ery ..	..	2451
Rope, s ..	..	4553
Royal, ty ..	..	3524
Row, ing, s, ed ..	..	4531
Rudder, s ..	..	4261
Ruin, s, ed ..	..	2351
Run, ing, s, ran ..	..	541
Sack, s ..	..	3254
Safe, ly, ty ..	..	1643
Sail, ing, ed ..	..	5625
Sail, s ..	..	4515
Sailor, s ..	..	5546
Sale, s ..	..	1354
Sally ..	..	545
Salt, s, saline ..	..	5453
Salvage ..	..	5351
Same ..	..	26
Sand, y, s, sand bank, s ..	..	6241
Satisfy, ing, ies, ied, satisfactory, ion ..	..	1435
Saturday ..	..	3125
Save, ing, es, ed ..	..	2513
Say, said ..	..	1652
Scarcely ..	..	231
Schooner, s ..	..	3615
Sea ..	..	6552
Seaman, seamen ..	..	5546

ALPHABETICAL INDEX TO VOCABULARY.

 No separate distinguishing signal.

Search, ing, es, ed	..	..	1545
Secret, crecy ..	..	..	1553
Secretary, ics ..	..	..	3545
Secure, use "ensure"	..	..	5346
See, ing, s, saw, seen	..	..	1543
Seed ..	..	..	5425
Seem, ing, ed ..	..	..	1465
Seize, ure ..	..	..	1365
Seldom ..	..	..	234
Self, selves ..	..	..	26
Sell, ing, s, sold	..	..	1354
Send, ing, s, sent	..	..	554
Separate, ing, ed, ion	..	..	655
September ..	..	..	2631
Serve, ing, s, ed, ice, ant, s	..	..	1325
Set, (put) ..	..	..	634
Set on fire ..	..	..	6155
Settle, ing, ed, er, s, ment, s	..	..	3465
Several ..	..	..	256
Shall, (future tense)	..	..	462
Shall be ..	..	..	523
Shall have ..	..	..	514
Shallow ..	..	..	412
Shape, s ..	..	..	1462
She ..	..	..	21
Shift, ing, ed ..	..	..	653
Shilling, s ..	..	..	3415

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Ship, ing, s	..	..	3612
Ship, s of the line	...	..	3562
Ship's papers	...	..	6542
Shipwreck	..	..	6143
Shoal, s	..	..	6241
Shop, s	..	..	6431
Shore, s	..		6251
Short, ly, en, ing, ed, ness	..	..	415
Shorten sail, ing, s, ed sail	..	..	5632
Shot, s	..	..	5312
Should		..	463
Show, ing, s, ed, shown	..	..	1552
Shut		..	1554
Sick, ly, ness	..	..	352
Side, s	..	..	4253
Siege		..	625
Sight		..	1543
Sign, s	..	..	4216
Signal, s, ize, ing, ed	..	..	4216
Signify, use "mean"	..	..	2146
Silk, en, s	..	..	5462
Silver		..	3261
Similar, use "like"	..	..	1523
Since	..		163
Sink, ing, s, sank, sunk, en	..	..	6145
Situation, use "place"		..	634
Size, use "measure"	..	..	1455

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Slight, ly	..	..	416
Slip, ing, s, ed	..	..	5654
Sloop, s	..	..	3624
Sloop of war	..	..	3565
Slow, ly	..	..	623
Small, ness	..	..	263
Smuggle, ing, s, ed, er	..	..	3654
So	..	..	42
So many, so much	..	..	243
Soap	..	..	5246
Society, ies	..	..	564
Sol, sous	..	..	3426
Solar	..	..	6531
Soldier, s, y	..	..	5562
Some	..	..	253
Sometimes	..	..	165
Soon	..	..	152
Sooner, use "more soon"	..		261.152
Sort, s	..	..	1463
Sorry, be, am, is, are sorry	..	..	2354
Sound, ing, s, ed	..	..	6453
Sovereign, s	..	..	3524
Spar, s	..	..	4521
Spare	..	..	1263
Speak, ing, s, spoke, n, speech	..	..	1652
Spice, s	..	..	5436
Spirits	..	..	5165

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Split	..	..	..	2346
Spoil, spoilt	..	..	..	2351
Spring, (season)		..	..	2545
Spring, ing, sprung, (break)			..	2346
Spring tide, s		..	..	6352
Squadron, s	..	..	..	3556
Stand, ing, stood		..	..	5634
State, s	..	..	..	3461
States-general	..	..	..	3526
Station	..	.	..	1246
Stay, ing, s, staid		..	..	621
Steal, stole, use "rob"		..	..	2451
Steam vessel	..	..	..	3655
Steer, ing, s, ed, age		..	..	5634
Stern, <i>see page 22</i>				
Still	..	..	..	154
Stop, ing, s, ed, age		..	..	624
Store, s	..	..	..	4561
Store, (shop)	..	..	..	6431
Stow, ing, s, ed, age		..	..	634
Strait, s	..	..	..	6315
Strange, er, s	..	..	..	4132
Stream	..	.	..	6324
Strength, en, ing, s, ed		..	..	432
Strike, ing, struck		..	..	2436
Strong, ly	..	..	..	432
Subject, s, ed, ion		..	..	1634

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Succeed, ing, s, ed, cess, ful, ly	..	1326
Such	..	254
Suffice, ient	..	1435
Sugar	..	5451
Sulphur	..	5415
Summer	..	2546
Sun	..	6531
Sunday	..	2645
Superior	..	314
Supply, ing, ies, ied ..	..	1265
Sure, ly	..	1643
Surf	..	6552
Surgeon, s, ery ..	..	5542
Surrender, s, ed ..	..	2436
Survey, <i>use</i> "reconnoitre" ..	..	1543
Suspect, ing, s, ed, icious, icion ..	..	2156
Swim, ing, s, swam ..	..	6135
Sword, s	..	5261
Tack, ing, s, ed ..	..	5642
Take, ing, s, took, taken ..	..	1365
Take aback, taken aback ..	..	6152
Take away, ing, en, took away ..	..	1423
Take care of, ing, s, took care of ..	..	2165
Take fire, en, took fire ..	..	6155
Take in tow, ing, took, taken in tow ..	..	6231
Tallow	..	4565

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Tar	.	..	..	4612
Tariff, s	..	..	..	5516
Tax, ed, es	..	..	..	5521
Tea, s	..	..	..	5435
Telegraph, ing, ed		..	..	4231
Tell, ing, s, told		..	..	1652
Temporary	..	..	..	2541
Than	..	..	..	65
Thank, ing, s, ed, ful, ly			..	1425
That, (adverb, "that we may")			..	65
That, (pronoun, "that ship")			..	123
The	..	..	..	13
Their, s	..	..	..	25
Them	..	..	..	25
Then	..	..	..	143
There, thence		.	..	132
There is, are, <i>see page 18</i>				
Therefore	..	..	..	42
These	..	..	..	123
They	..	..	..	25
Thick, ly, ness		..	..	456
Thing, s	..	..	.	325
Think, ing, s, thought		..	.	1632
This	..	..	..	123
This is	.	..	..	134
Thither	.	..	..	132
Those	..	...	..	123

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Though	..	..	..	54
Thought	..	..	..	1632
Threat, en, ing, s, ed	..	..	..	2316
Through	..	..	..	35
Thursday	..	..	..	2655
Thus	..	..	..	42
Tide, s, tide way	..	..	..	6325
Till	..	..	..	156
Timber, s	..	..	..	5361
Time, s	..	..	..	2541
Time piece, s	..	..	..	6532
Tin	..	..	..	5126
To, towards	..	..	..	32
To be	..	..	..	515
To be able	..	..	..	525
To be necessary	..	..	..	526
To-day	..	..	..	3126
To have	..	..	..	465
To it, to them	..	..	..	15
Tobacco, oes	..	..	..	5456
Together	..	..	..	36
Told	..	..	..	1652
To-morrow	..	..	..	3146
Ton, s, age	..	..	..	3241
Too, too many, too much	..	..	..	246
Top, s	..	..	..	4516
Tow, ing, s, ed, age	..	..	..	6231

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Towards	..	..	..	32
Town, s	..	..	..	6355
Trade, s, ing	..	..	..	5314
Transport, s	..	..	..	3645
Treaty, ies	..	..	..	1432
True, truth	..	...	..	426
Try, ing, ies, ied, al	..	..	..	534
Tuesday	..	..	..	2653
Turn, ing, s, ed	..	..	..	5642
Uncover	...	..	..	1542
Under, neath	..	..	..	315
Understand, ing, s, understood	..	..	..	2135
Underwriter, s	..	..	..	5341
Unfortunate, ly	..	..	..	2354
Union	..	..	..	563
Unite, ing, s, ed	..	..	..	563
Universal, ly	..	..	..	341
Unless	..	..	..	52
Unload, use "discharge"	..	..	..	651
Unmoor, ing, s, ed	..	..	..	5623
Until	..	..	..	156
Up, upon, upper, upward, s	..	..	..	314
Us	..	..	..	23
Use, ing, s, ed, ual, ful, ly	..	..	..	1425
Vacant, ancy, use "void"	..	..	..	5513

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Value, able, ed	..	..	1355
Vane, s	..	..	4165
Veer cable, ing, ed cable	..	..	543
Veer, ing, ed ship	..	..	5643
Vegetable, s	..	..	5214
Very	..	..	251
Vessel, s	..	..	3612
Victory, ious	..	..	2415
Victual, ing, s, ed	..	..	5153
View, use "sight"	..	..	1543
Vinegar	..	..	5213
Vocabulary, ies	.	..	1654
Void	..	..	5513
Volume, s	..	..	1563
Voyage, s	..	..	5621
Wait, ing, ed	..	..	621
Want, ing, s, ed	..	..	1236
War, warlike	..	..	2364
Warehouse, use "magazine"		..	6431
Warn, ing, s, ed	..	..	2163
Was	..	..	521
Watch, (guard)	..	..	2164
Water, ing, s, ed	..	..	5235
Wave, s	..	..	6552
Way, s	..	..	326
We	..	..	23

ALPHABETICAL INDEX TO VOCABULARY.

 No separate distinguishing signal.

Weak, ly, ness	..	..	435
Wear, ing, s, wore ship	..	..	5643
Weather	..	..	2541
Wednesday	..	..	2654
Week, s, ly	..	..	2643
Weigh, ing, s, ed anchor	..	..	5624
Weigh, ing, s, ed, weight	..	..	1453
Well	...	..	345
Went	..	..	541
Went in	..	..	546
Went out	..	..	545
Were	..	..	521
Wharf, s, age	..	..	6413
What	..	..	124
Wheft	..	..	4215
When	..	..	136
Whence, where	..	..	125
Wherefore	..	..	236
Whether	...	..	45
Which	..	..	124
While, whilst	..	..	615
White	..	..	4632
Whither	..	..	125
Who, whom	..	..	124
Whole, ly	..	...	341
Whose	..	..	124
Why	..	..	236

ALPHABETICAL INDEX TO VOCABULARY.

 No separate distinguishing signal.

Wide, ly, width	..	.	362
Wife, wives	..	..	3515
Will, (future tense)	..	..	462
Will be	..	..	523
Will become	..	.	523
Will have	..	..	514
Will, willing, (wish)	..	..	1635
Wind, s, y	..	..	6545
Windlass	..	..	4265
Wine, s	..	..	5164
Winter, s, ing	..	..	2553
Wish, ing, es, ed, would	..	..	1635
With	..	..	36
Within	..	..	34
Without	..	..	41
Woman, women	..	..	3515
Wood, en, (fire wood)	..	..	5135
Wool, len, s	..	..	5461
Word, s	..	..	1654
Wore	..	..	5643
Work up, use "beat up"	.	...	5642
Worse, worst	..	..	354
Worth, y	..	..	1355
Would, (conditional)	..	..	463
Would, (willed)	..	..	1635
Wound, ing, s, ed	..	..	2455
Wreck, s, ed	..	..	6143

ALPHABETICAL INDEX TO VOCABULARY.

No separate distinguishing signal.

Write, ing, s, wrote, written	..	1565
Yacht, s	..	3641
Yard, s (of a ship)	..	4351
Yard, s, (arsenal)	..	6412
Year, s, ly	..	2543
Yellow	..	4652
Yes	..	64
Yesterday	..	3145
Yet	..	154
You	..	24
Young	..	453
Your, s	..	24

NOTE.

In the following geographical tables the names of places have been given in their regular order of succession, as they appear upon the map, beginning at the northern extremity of Europe; many of them bearing no resemblance to each other in different languages, a corresponding alphabetical arrangement would have been impracticable. Thus, for instance, England, Angleterre, Inghilterra :—Spain, Espagne, Hispanien :—United States, Stati Uniti, Etats Unis : which do not even agree in their initial letters.

In Table III. may be inserted the names of any places accidentally omitted, or which may hereafter grow into importance.

GEOGRAPHICAL TABLE. I.

A WHEFT

To be shewn separately where best seen.

NORWAY.	12 Europe, an, s.	BALTIC.	53 Ystadt.
	13 Scandinavia, n, s.		54 Baltic Sea.
	14 Norway, wegian, s.		55 Bornholme.
	15 North Cape.		58 Carlscrona.
	16 Drontheim.		61 Calmar.
	21 Christiansund.		62 Oeland.
	23 Bergen.		63 Gothland.
	24 Naze of Norway.		64 Wisby.
	25 Stavenger.		65 Stockholm.
	26 Christianstadt.		123 Alderholme.
SWEDEN.	31 Arendahl.	SWEDEN.	124 Gefle.
	32 Christiana.		125 Umea.
			126 Gulf of Bothnia.
	34 Sweden, Swede, s, ish.		132 Isles of Aland.
	35 Uddevalla.		134 Tornea.
	36 Gottenburg.		
	41 The Cattagat.		135 Finland, er, Fin, s, Finnish.
	42 Helsingborg.		136 Uleaborg.
	43 The Sound.		142 Wasa.
	45 Huen.		143 Abo.
SWEDEN.	46 Saltholme.	FINLAND.	145 Helsingfors.
	51 Malmo.		146 Vyborg.
	52 Falsterbo Light.		

GEOGRAPHICAL TABLE. I.

A WHEFT

To be shewn singly where best seen.

RUSSIA.	152	Gulf of Finland.	PRUSSIA.	253	Stralsund.
	153	Russia, n, ans.		254	Rostock.
	154	St. Petersburg.		255	Wismar.
	155	Archangel.		256	Travemunde.
	156	Cronstadt.		261	Lubeck, er.
	162	Narva.		263	Denmark, Dane, s, Danish.
	163	Rével.	DENMARK.	264	Kiel.
	164	Port Baltic.		265	Christianshafen.
	165	Isle of Œsel.		312	Jutland.
	213	Arensburg.		314	Sleswic.
	214	Riga, man, men.		315	Little Belt.
	215	Poland, er, ish.		316	Appenrade.
POLAND.	216	Libau.		321	Svendborg.
	231	Memel.		324	Great Belt.
	234	Pillau.		325	Nyeborg.
	235	Koningsberg.		326	Corsoer.
	236	Germany, man, men.		341	Makskoy.
PRUSSIA.	241	Dansig, er, s.		342	Rodbye.
	243	Prussia, n, s.		345	Stubbekioping.
	245	Gripswalde.		346	Presto.
	246	Stettin.		351	Copenhagen.
	251	Isle of Rugen.		352	Elsinore.
				354	Aarhuus.
				355	Anholt.

GEOGRAPHICAL TABLE. I.

A WHEFT

To be shewn separately where best seen.

DENMARK.	356 Aalborg.	HOLLAND.	462 Hoorne.
	361 Lessoe Isle.		463 Helder.
	362 The Skaw.		465 Leyden.
	364 Tonningen.		512 Rhine River.
	365 Glukstadt.		513 The Hague.
	412 Altona.		514 Utrecht.
HANOVER.	413 Hamburg.	BELGIUM.	515 Rotterdam.
	415 Elbe River.		516 Brill.
	416 Heligoland.		521 Dortrech.
	421 Hanover, ian, s.		523 Helvoetsluys.
	423 Cuxhaven.		524 Flushing.
	425 Bremen, er.		525 Middleborg.
HOLLAND.	426 Norden.	BRITAIN.	526 The Scheldt.
	431 Emden.		531 Belgium.
	432 Holland, Dutch, Dutchman, men.		532 Brussels.
	435 Groningen.		534 Antwerp.
	436 Ameland.		535 Ostende.
	451 Tercheling.		536 Nieuport.
	452 Vlieland.		541 North Sea.
	453 Texel.		542 Galloper Light.
	455 Harlingen.		543 Great Britain.
	456 Amsterdam.		545 Briton, s, ish.
	461 Zuiderzee.		546 England, ish, man, Englishmen.

GEOGRAPHICAL TABLE. I.

A WHEFT

To be shewn separately where best seen.

ENGLAND.	551 The Downs.	ENGLAND.	651 Hull.
	552 South Foreland.		652 Spurn Head.
	553 Goodwin Sands.		653 Bridlington.
	554 Deal.		654 Flamborough head.
	556 Sandwich.		655 Scarborough.
	561 Ramsgate.		1234 Whitby.
	562 North Foreland.		1235 Stockton-on-Tees.
	563 Margate.		1236 Sunderland.
	564 The Nore.		1243 Shields.
	565 Thames River.		1245 Newcastle.
	612 Sheerness.	SCOTLAND.	1246 Blyth.
	613 Medway.		1253 Staples Lights.
	614 Chatham.		1254 Workington.
	615 Gravesend.		1255 Berwick.
	621 London.		
	623 Harwich.		1256 Scotland, Scot, s, Scotsman, men.
	624 Holsely Bay.		1263 St. Abbs.
	625 Orfordness.		1264 Dunbar.
	631 Aldborough.		1265 Inch Keith Light.
	632 Southwold.		1324 Leith.
	634 Lowestoff.		1325 Edinburgh.
	635 Yarmouth.		1326 Grangemouth.
	641 Cromer Light.		1342 Frith of Forth.
	642 Lynn Regis.		1345 Isle of May Light.
	643 Humber River.		1346 St. Andrew's.
	645 Grimsby.		

GEOGRAPHICAL TABLE. I.

A WHEFT

To be shewn separately where best seen.

SCOTLAND.	1352 Dundee.	ICELAND.	1534 Iceland, er, s, ish.
	1354 Bell Rock Light.		1535 Mount Hecla.
	1355 Arbroath.		1536 Skalholt.
	1356 Montrose.		
	1362 Stonehaven.		1542 Thurso, Scrabster
	1364 Aberdeen.		Road.
	1365 Buchan Ness.		1543 Cape Wrath.
	1423 Peterhead.		1545 Loch Eribol.
	1425 Inverness.		1546 Hebrides.
	1426 Ulapool.		1552 Lewis, But of.
	1432 Cromarty.		1553 Skye Island.
	1435 Wick.		1554 Mull Island.
	1436 Duncansby Head.		1556 Tobermory.
	1452 Pentland Frith.	SCOTLAND.	1562 Mull of Cantyre.
	1453 Orkney Isles.		1563 Isla Rock.
	1455 Kirkwall.		1564 Clyde River.
	1456 Ronaldsha South.		1565 Greenock.
	1462 Stromness.		1623 Glasgow.
	1463 Papa Westra.		1624 Saltcoats.
	1465 Ronaldsha North.		1625 Air Light.
	1523 Fair Island.		1632 Ailsa Rock.
	1524 Shetland Isles.		1634 Loch Ryan.
	1525 Sumburgh Head.		1635 Port Patrick.
	1526 Lerwic.		1642 Mull of Galloway.
	1532 Ferroe Isles.		1643 Kirkcudbright.
			1645 Dumfries.

GEOGRAPHICAL TABLE. I.

A WHEFT

To be shown separately where best seen.

ENGLAND.	1652 Solway Firth.	IRELAND.	2345 Wexford.
	1653 Whitehaven.		2346 Wicklow.
	1654 St. Bees' Head.		2351 Kingstown.
	1655 Isle of Man.		2354 Dublin, (light.)
	2134 Point of Ayre.		2355 Houth, (light.)
	2135 Douglas.		2356 Drogheda.
	2136 Lancaster.		2361 Dundalk.
	2143 Formby Point.		2364 Newry.
	2145 Mersey River.		2365 Donnaghadee.
	2146 Liverpool.		2413 Belfast.
WALES.	2153 Wales, Welsh, Welshman, men.	IRELAND.	2415 Carrickfergus.
	2154 Orm's Head.		2416 Rathlin Isle.
	2155 Point Penrhynn.		2431 Londonderry.
	2156 Anglesea.		2435 Malin Head.
	2163 Beaumaris.		2436 Lough Swilly.
	2164 Holyhead.		2451 Tory Island.
	2165 Aberystwith.		2453 Killybegs.
	2314 Cardigan.		2455 Donegal.
	2315 St. David's Head.		2456 Sligo.
	2316 Small's Light.		2461 Broadhaven.
	2341 Ireland, Irish, man, Irishmen.		2463 South Arran Isles.
			2465 Galloway.
			2513 Clew Bay.
			2514 Westport.
			2515 Loop Head Light.
			2516 Shannon River.

GEOGRAPHICAL TABLE. I.

A WHEFT

To be shewn separately where best seen.

IRELAND.	2531 Limerick.	ENGLAND.	2643 Severn River.
	2534 Tralee.		2645 Gloucester.
	2535 Dingle.		2651 Bristol.
	2536 Valentia.		2653 Pill.
	2541 Skellig's Light.		2654 Portishead.
	2543 Bantry Bay.		2655 Minehead.
	2545 Bearhaven.		3124 Ilfracombe.
	2546 Mizep Head.		3125 Barnstaple.
	2551 Cape Clear.		3126 Biddeford.
	2553 Old Head of Kin- sale.		3142 Lundy Isle.
	2554 Kinsale.		3145 Hartland Point.
	2556 Cork.		3146 Padstow.
	2561 Youghal.		3152 St. Ives.
	2563 Dungarvan.		3154 Land's End.
WALES.	2564 Waterford.		3155 Scilly Isles.
	2565 Hook Light.		3156 St. Agnes' Light.
	2613 Carnsore Point.		3162 Penzance.
	2614 St. George's Chan- nel.		3164 Mount's Bay.
			3165 Helstone.
			3214 Lizard.
	2615 Milford Haven.		3215 Falmouth.
	2631 Pembroke.		3216 Eddystone Light.
	2634 Bristol Channel.		3241 Fowey.
	2635 Swansea.		3245 Causand Bay.
	2641 Cardiff.		3246 Plymouth.
			3251 Bolt Head.

GEOGRAPHICAL TABLE. I.

A WHEFT

To be shewn separately where best seen.

ENGLAND.	3254 Kingsbridge.	ENGLAND.	3526 Brighton.
	3255 Start Point.		3541 Newhaven.
	3256 Dartmouth.		3542 Beachy Head.
	3261 Berry Head.		3545 Hastings.
	3264 Torbay.		3546 Rye.
	3265 Teignmouth.		3551 Dungeness.
	3412 Exmouth.		3552 Folkestone.
	3415 Bridport.		3554 Dover.
	3416 Portland.		3556 British Channel.
	3421 Alderney.	FRANCE.	3561 France, French, Frenchman, men.
	3425 Gaskets.		3562 Dunkirk.
	3426 Guernsey.		3564 Gravelines.
	3451 Jersey.		3565 Calais.
	3452 Weymouth.		3612 Boulogne.
	3455 St. Alban's Head.		3614 Abbeville.
	3456 Poole Harbour.		3615 Dieppe.
	3461 Needles.		3621 St. Valery.
	3462 Isle of Wight.		3624 Fecamp.
	3465 St. Helen's.		3625 Havre de Grace.
	3512 Spithead.		3641 Seine River.
	3514 Cowes.		3642 Rouen.
	3515 Yarmouth South.		3645 Paris, ian, s.
	3516 Lymington.		3651 Houfleur.
	3521 Southampton.		3652 Caen.
	3524 Portsmouth.		
	3525 Shoreham.		

GEOGRAPHICAL TABLE. I.

A WHEFT

To be shewn separately where best seen.

FRANCE.	3654 Barfleur.	FRANCE.	4263 Cordofan Light.
	3655 Cherbourg.		4265 Gironde River.
	4123 Cape La Hogue.		4312 Bourdeaux
	4125 Granville.		4315 Bayonne.
	4126 St. Maloes.		4316 St. Jean de Icoy.
	4132 Brittany, Breton, s.		4321 Bay of Biscay.
	4135 Morlaix.		
	4136 Ushant Isle.		4325 Spain, ish, iard, s.
	4152 Brest.		4326 Passages.
	4153 Quimper.		4351 St. Sebastian.
	4155 L'Orient.	SPAIN.	4352 Bilbao.
	4156 Morbihan.		4355 Santona.
	4162 Quiberon.		4356 Santander.
	4163 Belle Isle.		4361 Gijon.
	4165 Port Louis.		4362 Cape Ortegál.
	4213 Loire River.		4365 Ferrol.
	4215 Nantes.		4512 Corunna.
	4216 Isle D'Yeu.		4513 Cape Finisterre.
	4231 Sables D'Olonne		4515 Muros Bay.
	4235 Isle Rhe.		4516 Vigo.
PORTUGAL.	4236 Rochelle.		4521 Minho River.
	4251 Charente.		
	4253 Isle Bas.		4523 Portugal, guese.
	4255 Rochefort.		4525 Vianna.
	4256 Oleron.		4526 Oporto.
	4261 Isle D'Aix.		4531 Aveiro.

GEOGRAPHICAL TABLE. I.

A WHEFT

To be shewn separately where best seen.

PORTUGAL.	4532 Figuera.	SPAIN.	5124 Altea.
	4535 Burling's Rock.		5125 Cape St. Martin.
	4536 Tagus River.		5126 Xabia.
	4551 Lisbon.		5132 Ivica.
	4552 Setubal, (St. Ubes.)		5134 Majorca.
	4553 Cape St. Vincent.		5135 Palma.
	4556 Lagos.		5136 Minorca, quin, s.
	4561 Villa Nuova.		5142 Mahon.
			5143 Denia.
SPAIN.	4562 Guadiana.	FRANCE.	5145 Valencia.
	4563 Ayamonte.		5146 Murviedro.
	4565 San Lucar.		5152 Tortosa.
	4612 Cadiz.		5153 Tarragona.
	4613 Cape Trafalgar.		5154 Barcelona.
	4615 Straits of Gibraltar.		5156 Bay of Roses.
	4621 Tariffa Point.		
	4623 Algeziras.		5162 Port Vendre.
	4625 Gibraltar, ese.		5163 Adge.
	4631 Mediterranean.		5164 Cette.
	4632 Alboran Isle.		5165 Rhone, Mouths of
	4635 Malaga.		5213 Aigue Mortes.
	4651 Adra.		5214 Marseilles.
	4652 Cape de Gatte.		5215 Toulon.
	4653 Carthagen.		5216 Hyeres Isles.
	4655 Cape Palos.		5231 Frejus.
	5123 Alicant.		5234 Antibes.

GEOGRAPHICAL TABLE. I.

A WHEFT

To be shewn separately where best seen.

ITALY, N.W.	5235	Italy, ian, s.	SARDINIA.	5351	Tiber, Mouth of.
	5236	Nice.		5352	Ponza Isle.
	5241	Villa Franca.		5354	Sardinia, n, s.
	5243	Savona.		5356	Terra Nova.
	5245	Genoa, esc.		5361	Cape Carbonera.
	5246	Porto Fino.		5362	Cagliari.
	5251	Spezia.		5364	Toro Isle.
	5253	Porto Venere.		5365	Gulf of Palma.
	5254	Tuscany, can, s.		5412	Oristano.
	5256	Leghorn.		5413	Asinara.
ELBA.	5261	Elba.	NAPLES.	5415	Magdalene Isles.
	5263	Porto Ferajo.		5416	Gaeta.
	5264	Porto Longone.		5421	Ischia.
	5265	Corsica, n, s.		5423	Naples, politan, s.
CORSICA.	5312	Bastia.	SICILY.	5425	Capri.
	5314	Cape Corse.		5426	Salerno.
	5315	St. Fiorenzo.		5431	Policastro.
	5316	Calvi.		5432	Sicily, ian, s.
ITALY.	5321	Ajaccio.		5435	Messina.
	5324	Bonifaccio.		5436	Melazzo.
	5325	Porto Vecchio.		5451	Lipari Isles.
	5326	Pianosa.		5452	Cefalu.
	5341	Orbitello.		5453	Palermo, itan, s.
	5342	Port Ercole.		5456	Ustica.
	5345	Rome, an, s.		5461	Trapani.
	5346	Civita Vecchia.			

GEOGRAPHICAL TABLE. I.

A WHEFT

To be shewn separately where best seen.

SICILY.	5462	Marettymo.	VENICE.	5614	Venice, itian, s.
	5463	Marsala.		5615	Adriatic.
	5465	Girgenti.		5621	Tyroll, ese.
	5512	Alicata.		5623	Aquileia:
	5513	Terra Nuova.			
	5514	Cape Passaro.		5624	Austria, n, s.
	5516	Syracuse.		5625	Trieste.
	5521	Augusta.		5631	Istria, n, s.
	5523	Catania.		5632	Pola.
				5634	Hungary, arian, s.
ITALY, SOUTH.	5524	Reggio.	HUNGARY. AUSTRIA.	5635	Fiume.
	5526	Cape Spartivento.		5641	Dalmatia, n, s.
	5531	Cotrone.		5642	Zara.
	5532	Taranto.		5643	Sebenico.
	5534	Galipoli.		5645	Tran.
	5536	Cape St. Maria.		5651	Spalatro.
	5541	Otranto.		5652	Lissa.
	5542	Brindisi.		5653	Ragusa. n, s.
	5543	Bari.		5654	Cattaro.
	5546	Trani.			
	5561	Manfredonia.	DALMATIA.	6123	Albania, n, s.
	5562	Gargano.		6124	Dulcigno.
	5563	Viesti.		6125	Durazzo.
	5564	Lombardy, bard, s.		6132	Avlona.
	5612	Ancona.		6134	Butrinto.
	5613	Po, Mouths of.	ALBANIA.	6135	Prevesa.

GEOGRAPHICAL TABLE. I.

A WHEFT

To be shewn separately where best seen.

IONIAN ISLES.	6142	Gulf of Arta.	GREECE.	6315	Greece, ian, Greek, Greeks.
	6143	Ionian Isles.		6321	Vonitza.
	6145	Corfu, iote, s.		6324	Missolonghi.
	6152	Sta Maura.		6325	Lepanto.
	6153	Ceffalonia, n, s.		6341	Morea, ote, s.
	6154	Zante, iote, s.		6342	Corinth, ian, s.
	6155	Sapienza Isles.		6345	Vositza.
	6213	Cerigo.		6351	Patras.
	6214	Cerigotto.		6352	Navarino.
				6354	Modon.
LEVANT.	6215	Levant, ine, s.	MOREA.	6355	Coron.
	6231	Candia, ote, s.		6412	Cape Matapan.
	6234	Carabusa.		6413	Napoli di Malvoisie.
	6235	Cape Spada.		6415	Napoli di Romania.
	6241	Canea.		6421	Spetzia, iote, s.
	6243	Suda.		6423	Hydra, iote, s.
	6245	Rettymo.		6425	Poros.
	6251	Candia, (city.)		6431	Athens, ian, s.
	6253	Spina Longa.		6432	Cape Collonna.
	6254	Settia.		6435	Port Mandri.
	6255	Scarpanto, ian, s.	ARCHIPELAGO.	6451	Archipelago.
	6312	Tristonato.		6452	Snt. George's.
	6314	Sfaccia.		6454	Thermia.
				6455	Serpho.

GEOGRAPHICAL TABLE. I.

A WHEFT

To be shewn separately where best seen.

ARCHIPELAGO.	6512 Siphno.	GREECE.	6535 Negropont.
	6513 Milo, ote, s.		6541 Cape Doro.
	6514 Santorin.		6542 Skiro.
	6515 Stampalia.		6543 Gulf of Volo.
	6521 Naxia.	TURKEY.	6545 Tricheri.
	6523 Paros.		6551 Salonica.
	6524 Delos.		6552 Mount Athos.
	6525 Miconi.		6553 Contessa.
	6531 Syra.		6554 Porto Cavallo.
	6532 Tino.		
	6534 Andro.		

GEOGRAPHICAL TABLE. II.

A WHEFT OVER A BALL

To be shewn separately where best seen.

TURKEY.	12 Thasso.	MUSCOVY.	53 Azoff, Sea of.
	13 Lemnos.		54 Taganroc.
	14 Imbro.		56 Don River.
	15 Turkey, Turk, s, ish.		61 Muscovy, ite, s.
	16 Enos.		
	21 Saros, Gulf of.	CIRCASSIA.	62 Asia, atic, s.
	23 The Dardanelles.		63 Circassia, n, s.
	24 Galipoli.		64 Taman.
	25 Constantinople.		65 Anapa.
	26 Bosphorus.		123 Caspian Sea.
CRIMEA. BESSARABIA.	31 Black Sea.	GEORGIA.	124 Astracan.
	32 Burgas.		125 Georgia, n, s.
	34 Varna.		126 Poti.
	35 Danube River.		132 Trebisond.
	36 Galatz.		134 Sinope.
		ASIA MINOR.	135 Eraclea.
	41 Odessa.		136 Scutari.
	42 Nicolief.		142 Nicomedia.
	43 Cherson.		143 Artaki.
	45 Dnieper River.		145 Marmora.
	46 Crimea, n, s.		146 Abydos.
	51 Sebastopol.		152 Tenedos.
	52 Jenicale.		153 Adramyti.

GEOGRAPHICAL TABLE. II.

A WHEFT OVER A BALL

To be shewn separately where best seen.

ASIA MINOR.	154 Mytelene, ian, s.	SYRIA.	312 Scandaroon.
	156 Port Kaloni.		314 Latichia.
	162 Port Olivier.		315 Tripoli.
	163 Smyrna, iote, s.		316 Beyroot.
	164 Vourla.		321 Acre.
	165 Cape Carabournou.		324 Jaffa.
	213 Scio, ian, s.	EGYPT.	325 Africa, n, s.
	214 Chesme.		326 Egypt, ian, s.
	215 Sighajie.		341 Nile River.
	216 Scala Nova.		342 Damietta.
	231 Samos, ian, s.		345 Cairo.
	234 Pacha Limany.		346 Rosetta.
	235 Boudroon.		351 Aboukir Bay.
	236 Stancho.		352 Alexandria, n, s.
	241 Symi.		354 Bomba.
	243 Rhodes, ian, s.		356 Bengazi.
CARAMANIA.	245 Lindo.	TRIPOLI.	361 Tripoli, tan, s.
	246 Caramania, n, s.		362 Sfax.
	251 Marmorice.		364 Lampedosa.
	253 Macri.		365 Linosa.
	254 Castelorizzo.		412 Malta, ese.
	256 Port Cavaliere.	MALTA.	413 Marsa Scirocco.
	261 Cyprus, ian, s.		415 Valetta.
	263 Famagousta.		416 Goza.
	264 Larneca.		421 Pantellaria.
	265 Syria, n, s.		

GEOGRAPHICAL TABLE. II.

A WHEFT OVER A BALL

To be shewn separately where best seen.

TUNIS.	423 Cape Bon.	AZORES ISLES.	534 Azores Islands.
	425 Tunis, ian, s.		536 Terceira.
	426 Porto Farina.		541 St. Michel.
	431 Biserta.		542 Fayal.
	432 Galita Isle.		543 Flores.
	435 Bona.		546 Pico.
ALGIERS.	436 Alkaza.	CANARY ISLES.	561 Formigas.
	451 Bujeia.		562 Canary Isles.
	452 Algiers.		563 Palma.
	453 Oran.		564 Ferro.
	456 Melilla.		612 Teneriffe.
	461 Cape Tres Forcas.		613 Gomera.
MOROCCO.	462 Barbary, ian, s.	AFRICA.	614 Cape Bojador.
	463 Tetuan.		615 Senegal.
	465 Ceuta.		621 Cape Verde.
	512 Morocco, quin, s.	CAPE VERDE ISLES.	623 Cape Verde Isles.
	513 Tangiers.		624 St. Vincent.
	514 Cape Spartel.		625 St. Jago.
MADEIRA ISLES.	516 El Ariche.		631 Fogo.
	521 Salee.		632 Porto Praya.
	523 Mogadore.		634 Buona Vista.
	524 Atlantic.		635 Goree.
	526 Porto Santo.		
	531 Madeira.		
	532 Funchal.		

GEOGRAPHICAL TABLE. II.

A WHEFT OVER A BALL

To be shewn separately where best seen.

GUINEA.	641	Gambia River	AFRICA, S.E.	1346	Algoa Bay.
	642	Sierra Leone.		1352	Natal.
	643	Gold Coast.		1354	De la Goa Bay.
	645	Guinea.		1356	Cape Corientes.
	651	Cape Coast Castle.		1362	Sofala.
	652	Biaffra.		1364	Mozambique.
	653	Benin.		1365	Comoro Isles.
	654	Niger River.		1423	Madagascar.
	1234	Fernando Po.		1425	Thousand Isles.
	1235	St. Thomas.		1426	Cape St. Mary's.
AFRICA, S.W.	1236	Anno Bonn.	INDIAN OCEAN.	1432	Port Dauphin.
	1243	St. Matthew.		1435	Bourbon.
	1245	Ascension.		1436	Mauritius.
	1246	St. Helena.		1452	Port St. Louis.
	1253	Congo River.		1453	Amsterdam Isle.
	1254	Angola.		1454	St. Paul.
	1256	Loanda.		1462	Tamatave.
	1263	Benguela.		1463	Isle St. Mary's.
	1264	Cape Negro.		1465	Quilloa.
	1265	Cape of Good Hope.		1523	Zanzibar.
THE CAPE.	1324	Saldanna Bay.	AFRICA, N.E.	1524	Mombaza.
	1325	Table Bay.		1526	Melinda.
	1326	Simon's Bay.		1532	Mahé Islands.
	1342	False Bay.		1534	Magadoxa.
	1345	Cape Aiguillas.		1536	Socotora Isle.
				1542	Cape Guardafui.

GEOGRAPHICAL TABLE. II.

A WHEFT OVER A BALL

To be shewn separately where best seen.

INDIA.	PERSIA.	TURKEY.	ARABIA.	EGYPT.	MALABAR COAST.	HINDOSTAN.	CEYLON.
				1543 Straits of Babel- mandel.		2153 Tatta.	
				1546 Red Sea.		2154 Gulf of Cutch.	
				1562 Abyssinia, n, s.		2156 Hindostan.	
				1563 Coseir.		2163 Bate.	
				1564 Suez.		2164 Cambay.	
						2165 Braoch.	
				1623 Judea, Jew, s, ish.		2314 Surat.	
				1624 Arabia, n, s.		2315 Bombay.	
				1625 Jidda.		2316 Bancout.	
				1632 Mocha.		2341 Goa.	
				1634 Aden.		2345 Malabar Coast.	
				1635 Cape Rosalgate.		2346 Calicut.	
				1642 Mascat.		2351 Laccadive Isles.	
				1643 Persian Gulf.		2354 Cochin.	
				1645 Babrein Isles.		2356 Cape Comorin.	
				1652 Euphrates.		2361 Maldive Isles.	
				1653 Bussora.		2364 Ramisseram.	
				1654 Tigris.		2365 Manar.	
				2134 Bagdad.		2413 Ceylon.	
						2415 Columbo.	
				2135 Persia, n, s.		2416 Point de Galle.	
				2136 Busheir.		2431 Dondra Head.	
				2143 Ormus.		2435 Batticola.	
						2436 Trincomalee.	
				2145 Indus.		2451 Jafnapatam.	
				2146 India, n, s, ies, Indiaman, men.		2453 Negapatam.	

GEOGRAPHICAL TABLE. II.

A WHEFT OVER A BALL

To be shewn separately where best seen.

HINDOSTAN. COROMANDEL COAST.	2456	Tranquebar.	INDIAN ISLES.	2653	Palembang.
	2461	Coromandel Coast.		2654	Banca.
	2463	Pondicherry.		3124	Straits of Gaspar.
	2465	Madras.		3125	Biliton.
	2513	Masulipatam.		3126	Straits of Sunda.
	2514	Bengal.		3142	Java, n, ese.
	2516	Hooghly River.		3145	Batavia.
	2531	Calcutta.		3146	Madura.
	2534	Ganges.		3152	Timor.
	2536	Burampootah.		3154	Timorlaut.
	2541	Birman, s.			
	2543	Arracan.		3156	Australia, n, s, (New Holland.)
	2546	Amherst.		3162	Melville Island.
	2561	Andaman Isles.		3164	Cambridge Gulf.
	2563	Port Cornwallis.		3165	Admiralty Isles.
INDIA.	2564	Nicobar Isles.	AUSTRALIA.	3214	
	2613	Irrawaddy River.		3215	Shark's Bay.
	2614	Rangoon.		3216	Swan River.
	2615	Merguin.		3241	
	2631	Tavoy.		3245	Fremantle.
	2634	Malaya, lay, s.		3246	Port Lechenaut.
	2635	Pulo Penang.		3251	Cape Naturalist.
	2641	Malacca.		3254	Cape Leeuwin.
	2643	Sincapore.		3256	King George's Sound.
	2645	Sumatra, n, s.			
	2651	Bencoolen.			

GEOGRAPHICAL TABLE. II.

A WHEFT OVER A BALL

To be shewn separately where best seen.

AUSTRALASIA.	3261 Albany.	POLYNESIA.	3562 South Seas, (Pacific.)
	3264 Spencer's Gulf.		3564 Norfolk Island.
	3265		3612 New Zealand, er, s.
	3412 Gulf St. Vincent.		3614 Bay of Islands.
	3415		3615 Cook's Strait.
	3416 Kangaroo Island.		3621 Friendly Isles.
	3421 Port Philip.		3624 New Caledonia.
	3425 Bass Strait.		3625 Society Isles.
	3426 Banks Strait.		3641 Marquesas.
	3451 Van Dieman's Land		3642 Admiralty Isles.
VAN DIEMAN'S LAND.	3452 Port Dalrymple.	EAST INDIA ISLANDS.	3645 Solomon Isles.
	3456 Launceston.		3651 New Guinea.
	3461 Albatross Isle.		3652 Moluccas.
	3462 Macquarrie's Harbour.		3654 Banda.
	3465 South West Cape.		4123 Ceram.
	3512 Hobart's Town.		4125 Amboyna.
	3514		4126 Ternate.
	3516 New South Wales.		4132 Gillolo.
	3521 Sydney.		4135 Celebes.
	3524 Port Jackson.		4136 Macassar.
NEW SOUTH WALES.	3526 Port Stephen.		4152 Boultain.
	3541 Port Macquarrie.		4153
	3542 Gulf of Carpentaria.		4156 Straits of Macassar.
	3546 Torres Straits.		4162 Borneo.
	3561 Australasia.		

GEOGRAPHICAL TABLE. II.

A WHEFT OVER A BALL

To be shewn separately where best seen.

EAST INDIA ISLANDS.	4163 Philippine Isles.	CHINA.	4362 Nanking.
	4165 Mindanao.		4365
	4213 Luzon		4512 Shantung.
	4215 Manilla.		4513 Yellow Sea.
	4216 Ladrone Isles.		4516 Peking.
			4521 Tartary, ian, s.
	4231 Gulf of Siam.		4523 Correa, n, s.
	4235 Siam, ese.		4526
	4236 Cochin China, ese.		
	4251 Cambodia.		4531 Japan, ese.
SIAM.	4253 Turon Harbour.	JAPAN.	4532 Nagasaki.
	4256		4536 Jeddo.
			4561 Jesso.
	4261 China, ese.		4562 Straits of La Pe-
	4263 Hainan.		rouse.
	4265		
	4312 Macao.		4563 Seghalien.
	4315 Canton.		4612 Okhotsk.
	4316 Lintin.		4613
	4321 Formosa.		4615 Kamschatka, dale,
CHINA.	4325	SANDWICH ISLES. TARTARY.	Kamschatkadales.
	4326 Loochoo Isles.		4621 Harbour of St. Pe-
	4351		ter and St. Paul.
	4352 Amoy.		
	4356 Chusan.		4623 Sandwich Islands,
	4361 Ningpo.		islander, s.

GEOGRAPHICAL TABLE. II.

A WHEFT OVER A BALL

To be shewn separately where best seen.

NORTH AMERICA.	4625	Atkooi.	SOUTH AMERICA.	5234	South America, n, Americans.
	4631	Owhyhee.		5236	Gallipagos.
	4632	Woohoo.		5241	Albemarle Isle.
	4635			5243	Chatham Isle.
	4651	Sea of Anadir.		5246	Columbia, n, s.
	4652	Behring's Straits.		5261	Guayaquil.
	4653	North America, n, Americans.		5263	Peru, vian, s.
	5123	Fox Islands.		5264	Cape Blanco.
	5124			5312	Paita.
	5126	New Archangel.	PERU.	5314	Truxillo.
	5132	Queen Charlotte Isle.		5316	Arnedo.
	5134	Quadra Isle.		5321	Callao di Lima.
	5136	Columbia River.		5324	Arica.
	5142	Port St. Francis.		5326	
	5143	California, n, s.		5341	Chili, an, s.
	5146			5342	Coquimbo.
	5162	Mexico, an, s.		5346	Valparaiso.
MEXICO.	5163	St. Blas.		5361	Juan Fernandez.
	5164	Acapulco.		5364	Conception.
	5213	Guatemala, n, s.	CHILI.	5365	Valdivia.
	5214	Realejo.		5412	Chiloe.
	5216	Nicaragua.		5413	Tres Montes.
	5231	Panama.		5416	Patagonia, n, s.
				5421	Straits of Magellan.
				5423	Terra del Fuego.

GEOGRAPHICAL TABLE. II.

A WHEFT OVER A BALL

To be shewn separately where best seen.

SOUTH AMERICA.	5426 Cape Horn.	BRAZIL.	6142 Cape St. Roque.
	5431 Staten Island.		6143 Fernando di Noronha.
	5432		6145 Isle St. Paul.
	5436 Falkland Isles.		6152 Maranham.
	5461 Port Egmont.		6153 Para.
	5462		6154 Isle Johannes.
	5463 St. Josef.		6213 River Amazon.
	5612		6214 Guiana, ian, s.
	5613 Buenos Ayres, ean,		6215 Cayenne.
	Ayreans.		6231 Surinam.
	5614 Rio de la Plata.	GUIANA.	6234 Paramaribo.
	5621 Monte Video.		6235 Berbice.
	5623 Maldonada.		6241 Demarara.
	5624 Cape St. Maria.		6243 Essequibo.
	5631 Rio Grande.		6245 Orinoco River.
	5632 Sta. Marta.		6251 Gulf of Paria.
	5634 Isles St. Catherine.		
	5641 Parangua.		6253 West Indies, ia, n,
	5642 Brazil, ian, s.		s, man, men.
	5643 Rio Janeiro.		6254 Trinidad.
BRAZIL.	6123 Cape Frio.	WEST INDIES.	6312 Tobago.
	6124 Trinidad Isle.		6314 Windward Isles.
	6125 Spirito Santo.		6315 Grenada.
	6132 Porto Seguro.		6321 St. Vincent.
	6134 Bahia.		6324 Barbadoes.
	6135 Pernambuco.		

GEOGRAPHICAL TABLE. II.

A WHEFT OVER A BALL

To be shewn separately where best seen.

WEST INDIES.	6325 St. Lucie.	WEST INDIES.	6451 Anguilla.
	6341 Martinique.		6452 Anegada.
	6342 Fort Royal.		6453 Tortola.
	6345 Leeward Isles.		6512 St. Croix.
	6351 Dominica.		6513 St. Thomas.
	6352 Marie Galante.		6514 Porto Rico.
	6354 Guadaloupe.		6521 St. Domingo.
	6412 Basseterre.		6523 Cape Francois.
	6413 Desirada.		6524 Port au Paix.
	6415 Montserrat.		6531 Gonave Isle.
	6421 Antigua.		6532 Port au Prince.
	6423 Nevis.		6534 Inagua.
ST. DOMINGO.	6425 St. Kitts.	ST. DOMINGO.	6541 Bahamas.
	6431 Barbuda.		6542 Turk Island.
	6432 St. Eustatia.		6543 Caicos.
	6435 St. Bartholomew.		

GEOGRAPHICAL TABLE. III.

BALL OVER A WHEFT

To be shewn separately where best seen.

BAHAMAS.	12 Mariguana.	JAMAICA.	54 Port Royal, (Kingston.)
	13 Crooked Island.		56 Martha Brea.
	14 St. Salvador.		61 Morant Bay.
	15 Eleuthera.		
	16 Providence.		
BERMUDA.	21 Nassau.	NEW GRENADA.	62 Curacoa.
	23 Abaco.		63 Buen Ayre.
	24 Bermudas Isles.		64 Margarita Isle.
	25 St. George.		65 Cumana.
	26 North Rock.		123 Venezuela, ean, s.
	31 Bahama.		124 Laguayra.
	32 Cuba.		125 Porto Cabello.
CUBA.	34 Matanzas.		126 Paraguana.
	35 Havannah.		132 Maracaybo.
	36 Cape St. Antonio.		134 Sta. Marta.
	41 Pinos Isle.		135 Cartagena.
	42 Trinidad.		136 Darien.
JAMAICA.	43 St. Jago di Cuba.	MEXICO.	
	45 Baracoa.		142 Porto Bello.
	46 Jamaica.		143 St. Juan di Nicaragua.
	51 Anotta Bay.		145 Blewfields.
	52 Montego Bay.		
	53 Savanna la Mar.		

GEOGRAPHICAL TABLE. III.

A BALL OVER A WHEFT

To be shewn separately where best seen.

MEXICO.	146 Cape Gracias di Dios.	SOUTHERN STATES.	253
	152 Poyais.		254 Gulf of Florida.
	153 Honduras.		256 Gulf Stream.
	154 Omoa.		261 St. Augustine.
	156 Balize.		263 St. Mary.
	162 Vera Paz.		264 Georgia, ian, s.
	163 Cape Catoche.		265 Savannah.
	164 Campeachy.		312 Atlantic States, man, Statesmen.
	165 Vera Crux.		314 South Carolina, ian, Carolinians.
	213 Tampico.		315 Charlestown.
SOUTHERN UNITED STATES.	214 Rio del Norte.	ATLANTIC STATES.	316 Georgetown.
	215 Texas.		321 North Carolina, ian, Carolinians.
	216 St. Josef.		324 Cape Fear.
	231 United States of North America.		325 Wilmington.
	234 Southern States, Statesman, men.		326 Cape Lookout.
	235 Louisiana, ian, s.		341 Pamlico Sound.
	236 Mississippi.		342 Cape Hatteras.
	241 New Orleans.		345 Roanoake Inlet.
	243 Mobile.		346 Albemarle Sound.
	245 Alabama, ian, s.		351 Currituck Sound.
	246 Florida, ian, s.		352 Virginia, ian, s.
	251 Pensacola.		354 Cape Henry.
			356 Norfolk.

GEOGRAPHICAL TABLE. III.

A BALL OVER A WHEFT

To be shewn separately where best seen.

ATLANTIC STATES.	361 James River.	NORTHERN STATES.	513 Egg Harbour.
	362 Richmond.		514 Sandy Hook.
	364 Hampton.		516 Staten Island.
	365 Chesapeak Bay.		521 New York, er, s.
	412 Rappahannock.		523 New York, (city.)
	413 Potowmac River.		524 Hudson River.
	415 Alexandria.		526 Albany.
	416 Washington.		531 Brooklyn.
	421 Patuxent.		532 Hurl Gates.
	423 Northern States, Statesman, men.		534 Long Island.
NORTHERN STATES.	425 Maryland, er, s.	EASTERN STATES.	536 Montauk Point
	426 Point Lookout.		541 Block Island, er, s.
	431 Anapolis.		542 Eastern States, New England, er, s.
	432 Baltimore.		543 Connecticut, ian, s.
	435 Susquehanna River.		546 New Haven.
	436 Chester.		561 New London.
	451 Cape Charles.		562 Rhode Island, er, s.
	452 Delawarre, ian, s.		563 Providence, R. I.
	453 Cape Henlopen.		564 Massachusetts, man, men.
	456 Delawarre Bay.		612 Buzzard Bay.
	461 Pennsylvania, n, s		613 Martha's Vineyard.
	462 Philadelphia.		614 Nantucket, er, s.
	463 New Jersey.		615 Chatham.
	465 Trenton.		621 Cape Cod.
	512 Cape May.		

GEOGRAPHICAL TABLE. III.

A BALL OVER A WHEFT

To be shewn separately where best seen.

NEW ENGLAND.	623 Barnstaple.	NOVA SCOTIA.	1253 Nova Scotia, Acadia, n, s.
	624 Plymouth.		1254 Basin of Mines.
	625 Boston.		1256 Windsor.
	631 Marble Head.		1263 Anapolis Royal.
	632 Salem.		1264 Cape Sable.
	634 Cape Anne.		1265 Shelburn.
	635 Newbury Port.		1324 Liverpool, N. S.
	641 New Hampshire, man, men.		1325 Lunenburg.
	642 Portsmouth.		1326 Sambro Head.
	643 Vermont, cr, s.		1342 Halifax.
	645 Maine.		1345 Sandwich harbour.
	651 Portland.		1346 Gut of Canso.
NEW BRUNSWICK.	652 Kennebeck.	CAPE BRETON.	1352 Chedabucto.
	653 Wiscasset.		1354 Cape Breton.
	654 Penobscot.		1356 Arichat.
	1234 Castine.		1362 Louisburg.
	1235 Passamaquoddy Bay.		1364 North Point.
			1365 St. Paul.
	1236 Bay of Fundy.		1423 Magdalen Isles.
	1243 New Brunswick, Brunswick, s.		1425 Prince Edward Isle
	1245 St. John's.		1426 Pictou Harbour.
	1246 Cumberland Basin.		1432 Shediac.
			1435 Richebucto.
			1436 Miramichi.
			1452 Chaleur Bay.

GEOGRAPHICAL TABLE. III.

A BALL OVER A WHEFT

To be shewn separately where best seen.

CANADA.	1453 Gaspe.	1645
	1456 Cape Roziere.	1652
	1462 St. Laurence river.	1653
	1463 Canada, ian, s.	1654
	1465 Isle Orleans.	2134
	1523 Quebec.	2135
	1524 Montreal.	2136
	1526 Anticosti.	2143
	1532 Newfoundland, er,	2145
	Newfoundlanders.	2146
NEWFOUNDLAND.	1534 Cape Ray.	2153
	1536 Miquelon.	2154
	1542 Placentia.	2156
	1543 Cape Race.	2163
	1546 St. John's.	2164
	1562 Trinity Harbour.	2165
	1563 Straits of Bellisle.	2314
	1564 Labrador.	2315
	1623 Hudson's Bay.	2316
	1624 Davis Straits.	2341
	1625 Baffin's Bay.	2345
	1632 Greenland.	2346
	1634 Cape Farewell.	2351
	1635	2354
	1642	2356
	1643	2361

NIGHT SIGNALS.

1.



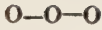
2.



3.



4.



5.



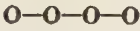
6.



12.



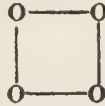
13.



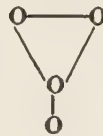
14.



15.



16.



21.



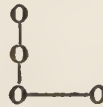
23.



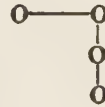
24.



25.



26.



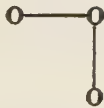
A.



B.



C.



D.

Muskets, 1, 2, or 3.

NIGHT SIGNALS.

A SINGLE LIGHT

To be shewn separately where best seen.

- 1 TELEGRAPH, distinguishing signal.
- 2 We are in great DISTRESS.
- 3 We are in SHOAL WATER.
- 4 We are in want of assistance from BOATS.
- 5 You are running into DANGER.
- 6 I have important INTELLIGENCE to communicate.
- 12 I wish to SPEAK with you.
- 13 A STRANGER is in sight.
- 14 TACK, or WEAR.
- 15 BEAR UP, or STEER the following course.
- 16 MAKE SAIL, (after laying to) or, make more sail.
- 21 SHORTEN SAIL.
- 23 HEAVE TO.
- 21 ANCHOR, if at anchor, WEIGH.
- 25 We are in want of a PILOT.
- 26 Unable to comply with the SIGNAL.
- A ANSWER and stop to the sentences.
- B STOP to the alphabet, and numeral signals.
- C STOP to the vocabulary.
- D STOPS to the geographical tables.

NIGHT SIGNALS.

Night Signals have not usually been introduced into any code intended for merchantmen; but it is obvious how frequently the safety of a vessel, or that of her crew, must depend upon their being able at once to make known their danger in the dark, so as to procure timely assistance; and it might often besides be of great importance, to give or receive intelligence in the night time.

In the present plan, one or two accompanying lights are introduced, in order to distinguish the signals from those in use on board ships of war.

The fifteen sentences given in page 134, are to be distinguished by a *single light* shewn separately at the mast head; the accompanying numbers being made with the forms indicated in page 133; but the same disposition of lights may be made applicable to any of the foregoing signals as a night telegraph, by substituting No. 1, *two lights* vertically disposed, for the distinguishing signal. In this latter case, the figures composing the number of any signal in the sentences, vocabulary, &c. should be given one by one, followed by a distinguishing *stop* at the end of each, when completed.

Thus a *single light*, used as a stop, following the last figure of any number, will refer to the *sentences*. *Three lights* disposed in form B. will be the stop for the *alphabet* and *numeral signals*. Form C. will indicate the *vocabulary*. And one, two, or three flashes or muskets, will mark the *geographical tables* I., II., and III.

The lights should be shewn, where practicable, at a distance of not less than twelve feet from each other.

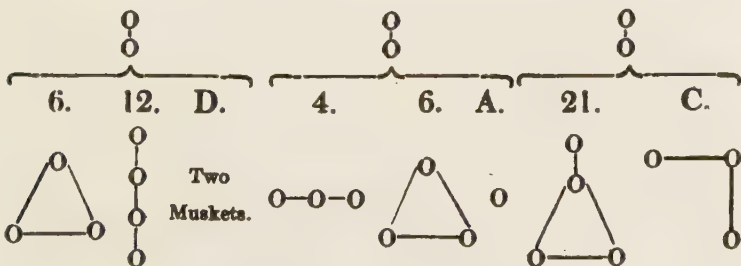
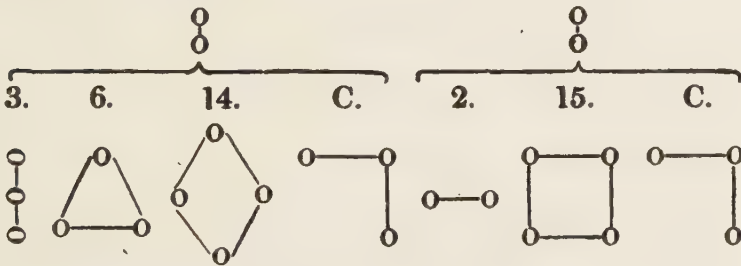
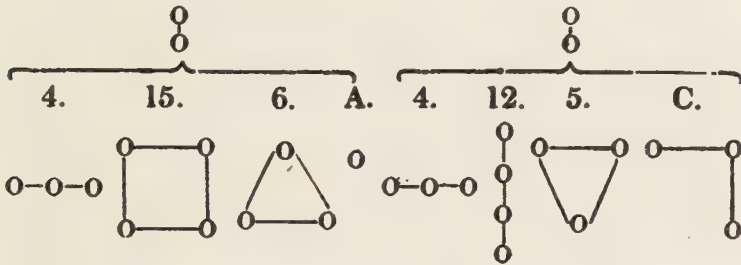
In any combination of three or four figures in the telegraph, if two of them should happen to be expressed by a single form in page 133, they need not be given separately. Thus, 1423, "Our boat is adrift, will you pick her up?" may be made in two signals,

1.
 14 23. See examples following.

The answer is to be a *single light*.

If the night should be tolerably light, with sufficient wind to display the forms of the flags, the ordinary day signals might be made use of, since they are not distinguished by variety of colours.

EXAMPLES IN THE NIGHT TELEGRAPH.



"Be upon your guard against—a pirate—brig—off—Teneriffe—we have been attacked by—her."

FOG SIGNALS.

A. Minute guns to any number.

- 1 ● — ●
- 2 ● — ● ●
- 3 ● — ● ● ●
- 4 ● — ● ● ● ●
- 5 ● — ● — ●
- 6 ● — ● ● — ●
- 7 ● — ● ● ● — ●
- 8 ● — ● — ● ●
- 9 ● — ● — ● ● ●
- 10 ● — ● ● — ● ●

A. We are in great DISTRESS.

- 1 In DANGER, or SHOAL WATER.
- 2 In want of a PILOT.
- 3 TACK, or WEAR.
- 4 HEAVE TO.
- 5 Come to the wind on the STARBOARD tack.
- 6 Come to the wind on the LARBOARD tack.
- 7 MAKE SAIL, after laying by, or make more sail.
- 8 Alter COURSE one point to STARBOARD.
- 9 Alter COURSE one point to PORT.
- 10 ANCHOR, if at anchor, WEIGH.

FOG SIGNALS.

It may be necessary sometimes in thick weather, either to make signals of distress to a neighbouring shore, or to apprise vessels keeping company of some change in the course, or of danger, or other events. In the preceding scheme, by each *dot* is intended to be represented a gun, or musket;—by the *lines*, a pause of three or four minutes' duration;—and by the lesser *spaces*, an interval not exceeding forty seconds, between each discharge.

The answer is to be a single gun, or musket, after a delay of about ten minutes.

SIGNALS WITH BELLS.

Ships' Bells might occasionally be brought into use as a kind of telegraph during a fog, or at night time, where vessels may be anchored near to each other, and when it might be inconvenient to shew any lights.

For this purpose let a preparatory *peal* be first rung for the space of about *two* minutes, and if this be answered by another peal, or by a musket, the figures composing any signal in the sentences may next be given, by striking a corresponding number of blows upon the bell: leaving an interval between each stroke, of about thirty seconds; and between every figure, of about two minutes. When the whole number is complete, the peal should be again repeated and answered as before.

If two distinct peals follow the signal, it will refer to the vocabulary: it can scarcely be necessary to use the alphabet, numeral or geographical tables, under such circumstances.

EXAMPLE.

Preparative peal —

• — • • • • • — • • • • • — • • • peal

• — • • • • • — • • • • • peal

• • • • • — • • — • • • • two peals

1658 sentences—164 sent.—624 vocabulary.

“Lose no time in quitting this anchorage—we run great risk of
—detention.”

A gong, a loud drum, musketry, or a bugle, may be substituted for the bell.

CONVOY SIGNALS.

GUIDON, No. 3.

To be shewn separately where best seen.

1	..	15	..	41	..	54	.
2	..	16	..	42	..	56	..
4	..	21	..	45	.	61	..
6	..	24	..	46	..	62	..
12	..	25	..	51	..	64	..
14	..	26	..	52	..	65	..

Under ordinary circumstances, the sentences in the first part of this work might be found sufficient, perhaps, for all purposes of convoy; but in time of war it would become necessary to introduce some private signals, by which either particular movements might be directed when in sight of an enemy, or the presence of any stranger be immediately detected.

Such for instance as—

“We shall steer the following course immediately after dark: no lights to be shewn.”

“A stranger has joined the fleet.”

“Shew the number of your convoy instructions.”

“The convoy signals are changed as follows.”

Twenty-four numbers, therefore, are given above, to be filled up at the discretion of the vessel conveying.

If the plan here proposed should be generally adopted, there would be an evident advantage in using symbols common to most

merchantmen, who might thus be enabled to repeat all convoy signals: and with that view the following corresponding flags may be suggested for his Majesty's service.

Pendant—White with red fly	to be used for No. 1.
Flag —Blue pierced white	 for No. 2.
Guidon —Yellow	 for No. 3.
Cornette—White with red fly	 for No. 4.
Ball —	 for No. 5.
Vane —Blue with two white crosses	 for No. 6.'

The last being the only one required in addition to those now in use.

PRIVATE SIGNALS AND CYPHER.

Private Signals in time of war, or for commercial purposes, may easily be formed on the present plan, by merely altering the order of numbers in Plate 1, so that each flag should represent a different figure: excepting the ball only, No. 5, which as it occurs sometimes twice in the same number, must remain unchanged.

EXAMPLE I.

4152 sentences—235 vocabulary—145 vocab.—1456 vocab.—1425 vocab.—4163 vocab.—6.4.2.3.5.1. single flags—43 vocab.—1423 vocab.—4216 vocab.

“The message about to be made is intended to be private—instead of—present—numbers (1 2 3 4 5 6) use—flags—6.4.2.3.5.1.—for—private—signals.”

After the changes shall have been noted down in the column marked “Priv. Sig.” plate 1, or otherwise; the communication may proceed with the altered flags: the vane (No. 6.) representing number 1; the cornette (4) representing 2, &c.; so that 3216 would be made by the flag, cornette, vane, and pendant.

EXAMPLE II.

Sentences 3216—sent. 3241—geog. tab. I. 3625—geog. tab. III. 234—vocab. 512—vocab. 1462—vocab. 655—vocab. 563—sent. 3542—geog. tab. III. 542—sent. 3562—vocab. 5512—vocab. 21—vocab. 516—vocab. 5251.

“ Will you give the following information to—our consul at—
Havre. The Southern States (N. America)—have—formed—a
separate—union. There is a new tariff in—New England—a
heavy duty has been laid upon—manufactures—She—is—arm-
ing.”

If the intended use of private signals should not follow im-
mediately upon the alterations in the numbers of the flags being
notified, any message subsequently given should be prefaced by
a signal to that purport. As—

EXAMPLE III.

4135 sentences—“ Use the private signals.”

Sentences 2136—sent. 2415—vocab. 2156—sent. 523—sent.
465—numeral 63.

“ What do you think of the strangers ? They are suspicious.
What do you intend doing ? We shall tack at nine o'clock.”

When a Cypher is required to be used for any secret corres-
pondence, some key must previously be arranged, substituting
other figures, or letters, or characters, for the numbers attached
to each signal ; and certain marks would also be necessary, in
order to distinguish the different parts of the book, to which the
Cyphers may refer.

Thus, a *line* underneath the number, might signify sentences :

A *line above*, with *stops* following, the alphabet and numeral
signals :

Numbers from the vocabulary may be written without any
mark :

And one, two, or three *oblique lines*, might indicate the first,
second, or third geographical tables :

EXAMPLE :—2561 53. 4135 3556 582 551 23 //

“ It is three days since we parted from—the allied—fleets—
preparing—to pass—the Dardanelles.”

DISTANT SIGNALS.

	Ball at the Main.	Ball at the Fore.	Two Balls at the Main.	Two Balls at the Fore.	A ball at each Mast head.
Main royal or top-gallant sail lowered on the cap ..	1	1654	3645	5124	5214
Fore royal or top-gallant sail lowered on the cap ..	3	2134	3652	5132	5241
Main royal or top-gallant sail hoisted, and clewed up ..	4	2163	3654	5136	5246
Fore royal or top-gallant sail hoisted, and clewed up ..	6	2356	4615	5142	5314
Fore and main royals or top-gallant sails lowered on the cap ..	126	3154	4621	5143	5326
Fore and main royals or top-gallant sails hoisted, and clewed up ..	562	3215	4623	5146	5346

By means of the above table, some of the more important signals may be made with the aid only of the upper sails, and one or two balls: they would be discerned, perhaps, when owing to calms, or too great distance, the forms of the flags might not be distinguishable.

The answer should be an ensign at the mast head, or the signal repeated.

The numbers refer to those among the sentences, which have been marked by an asterisk.

EXAMPLE.



4. "An enemy is in sight."

SEMAPHORE & MANUAL TELEGRAPH.

A Semaphore, of very simple construction, may be used to express any of the foregoing signals.

It should consist of a beam or staff, having two moveable arms at the upper extremity, to one of which a circular board or ball may be fixed. If it be a permanent construction and of sufficient size, the ball or index arm, may be placed at the upper end; having the plain or numeral arm about twelve feet below it,—each being six feet in length: but if a machine of more portable form be required, one arm alone would suffice, the ball being attached and removed at pleasure.

The figures of each number must be first given with the plain arm, followed by a distinguishing stop with the ball or index arm, pointing out that part to which the signal refers. Or, if there be two arms, the upper or indicatory sign may accompany the numbers. From the rapidity with which the arms could be moved, little time would be lost in thus giving the figures one by one.

The distinguishing sign for the geographical tables must be repeated a second or third time, for parts II. and III.

EXAMPLES.—4,2,6,5. stop to sentences—4,2,1,3. stop to sent.—3,5,2. stop to geog. tab. twice made.

“You must perform quarantine; has the plague ceased at Alexandria?”

6,3,1. vocab.—4,3,2. sent.—3,6,1,4. vocab.—3,4,5. sent.—4,1,2,3. vocab.

“Keep in shore (the) brig (bearing) south-west (is a) privateer.”
See plate 3.

The semaphore might easily be imitated in case of necessity, by a single individual, with no other apparatus than a hat, stick, and handkerchief.

Thus, let the person signalling first shew the figures of any number by extending his stick at arm's length, with a handkerchief appended—

In the right hand for No. 1.

Immediately above the head.... for No. 2.

In the left hand for No. 3.

A hat at the extremity of the stick, with the handkerchief displayed below it—

In the right hand for No. 4.

Above the head for No. 5.

In the left hand for No. 6.

These should be followed by a distinguishing signal with the hat *alone*,—

In the right hand ... for sentences.

Above the head for alphabet and numerals.

In the left hand for the vocabulary.

And a handkerchief fastened cornerwise, shewn once, twice, or thrice, for the geographical tables I., II., or III.

The latter might serve also for an answer.

EXAMPLES.—2,3,1. stop to sentences—6,3. stop to sent.

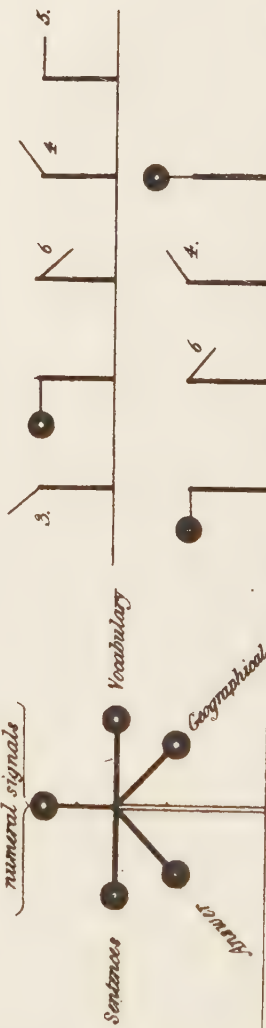
“Do not attempt to leave the vessel, assistance will be sent you immediately.”

2,3. sent.—5,5,1,3. vocab.—3,2,4,6. vocab.

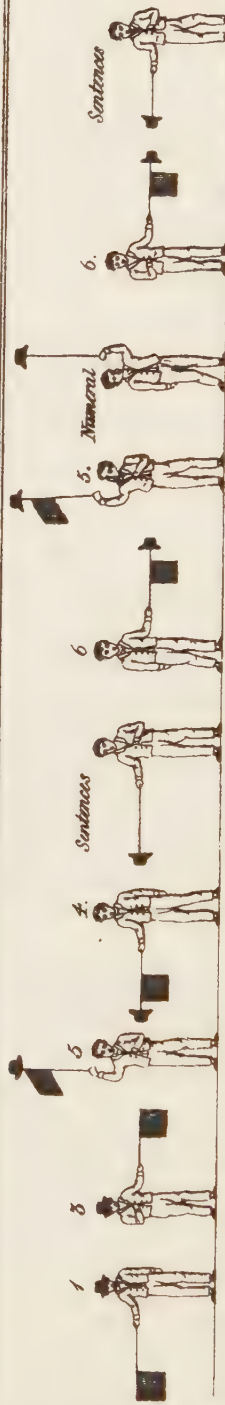
“We are in want of empty casks.” See plate 3.



*Alphabet and
numeral signals*



Semaphore. 3. (sentences) you are running into danger. 6 4 5. (sentences.) the bar may be crossed at "6 4" (numeral) "ten"



Manual telegraph. 1 3 5 4. (sentences) will you meet me on shore (at) 6 5 (numeral) eleven. 6 (sentences) I have important intelligence to communicate



Boat signals. 3 2 1 5. (sentences) I have dispatches for. 2 4. (Vocabulary) you.

BOAT SIGNALS.

It happens not unfrequently that Boats are detached to a considerable distance, either to procure supplies, or for the purpose of sounding, or in pursuit of some vessel; when it might be desirable to make a direct communication, without the necessity of returning on board.

The following plan will be found adapted to the means with which almost every boat is provided, or which may be supplied at a very trifling expence. They consist in two balls, a flag, and pendant; for which, however, may be substituted a hat, or jacket rolled up; a handkerchief, displayed square; or one tied cornerwise. They should be shewn at the end of an oar or staff.

In making any message, the figures as represented below, must be first given as in the semaphore, followed by a distinguishing stop when the number of each signal is completed; and that for the geographical part, should be repeated once or twice, for tables II. and III. The answer to be a pendant.

NUMBERS.

Ball over Pendant.	Pendant over Ball.	Ball over Flag.	Flag over Ball.	Pendant over Flag	Flag over Pendant.
⏟	⏟	⏟	⏟	⏟	⏟
1.	2.	3.	4.	5.	6.

DISTINGUISHING STOPS.

Sentences.	Alphabet, and Numeral Signals.	Vocabulary.	Geographical Tables.
⏟	⏟	⏟	⏟
A Ball.	A Flag.	Two Balls.	A Pendant.

EXAMPLES.

5,3,4. stop to sentences—5,6. stop to numerals. "I have sounded in six fathoms."

4,5,6,2. sent.—3,6,1,5. geographical table I. "I have a passenger for Dieppe."

2,4,1,5. sent.—3,6,5,4. vocabulary. "The vessel is a smuggler."
See plate 3.

LOCAL AND PILOT SIGNALS.

No. 7.



To be hoisted separately where
best seen.

-
- 1 We are engaged at PRAYERS.
 - 2 There will be PRAYERS at ———.
 - 3 There will be a public MEETING at ———.
 - 4 Our CONSUL is on board.
 - 5 You are requested to meet the CONSUL.
-

As it may be found desirable sometimes to point out more particularly the sea-marks, shoals, and channels, in the neighbourhood of any anchorage; number 6, hoisted vertically, (as No. 7. above) and shewn separately, will distinguish the signals for these, and other local objects.

The pilots and traders of each sea-port, will best be able to decide upon such communications as may be necessary: these may afterwards be collected, and arranged alphabetically in a supplementary part.

It would not be requisite that such signals should be generally intelligible to foreigners: they will be different of course in every separate country: the first five, however, are given, that they may be understood by all.

SHIPPING LIST.

Initial letter.	Number.	Name.	Nation.	Description.	No. of		Place where belonging.
					Tons.	Guns.	
A	12	Abeona	British.	Ship.			
..	13	Albion.	..	S.	700		Liverpool. Bristol.
B	12	Bolton.	B.	S.	600		
..	13	Bristol.	American.	S.	600		London. New York.
C	23	Cambrian.	British.	Frigate.		46	

If any general List of Shipping should be added hereafter, it will be given in the above form : each name being made by two distinct signals—the initial letter, from the alphabetical signals, and a number. This would distinguish them from all other communications, and will admit of many thousand names.

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